

September 1, 2006

Bureau of Land Management Vernal Field Office 170 S. 500 E. Vernal, UT 84078

Attn: Minerals Department

Re:

All Wells

Uintah and Duchesne Counties, Utah

#### Ladies and Gentlemen:

This letter is to inform you that Permitco, Inc. and Shon McKinnon are authorized to act as Agent and to sign or retrieve documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned wells.

It should be understood that Permitco, Inc. and Shon McKinnon are acting as Agent only in those matter stated above and are not responsible for drilling, completion, production or compliance with regulations.

Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned wells.

Yours very truly,

Mark A. Erickson

President and CEO



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

November 1, 2007

Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, UT 84114-5801 Attn: Minerals

Re:

Gasco Production Company

Desert Spring Federal #41-1-10-18 225' FNL and 543' FEL (Surface) 660' FNL and 660' FEL (Btm. Hole) Lot 1 (NE NE) Section 1, T10S - R18E

Uintah County, Utah Riverbend Field

#### Gentlemen:

Enclosed please find one copy of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

Please note that this location will be directionally drilled. This was done for geologic and topographic considerations. Please also note that Gasco Production Company and Brek Petroleum are the only working interest owners within a 460 foot radius of all points along the intended wellbore. Attached please find a letter from Brek stating their approval of this location. Therefore, we request your administrative approval of this directional drilling application.

If you should need additional information, please don't hesitate to contact me.

RECEIVED

NOV 0 5 2007

PERMITCO INC.

Sincerely,

DIV. OF OIL, GAS & MINING

Venessa Langmacher

**Consultant for** 

**Gasco Production Company** 

Enc.

cc: Gasco Production Company - Englewood, CO

Shawn Elworthy - Myton, UT Shon McKinnon - Altamont, UT

#### FORM 3

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	

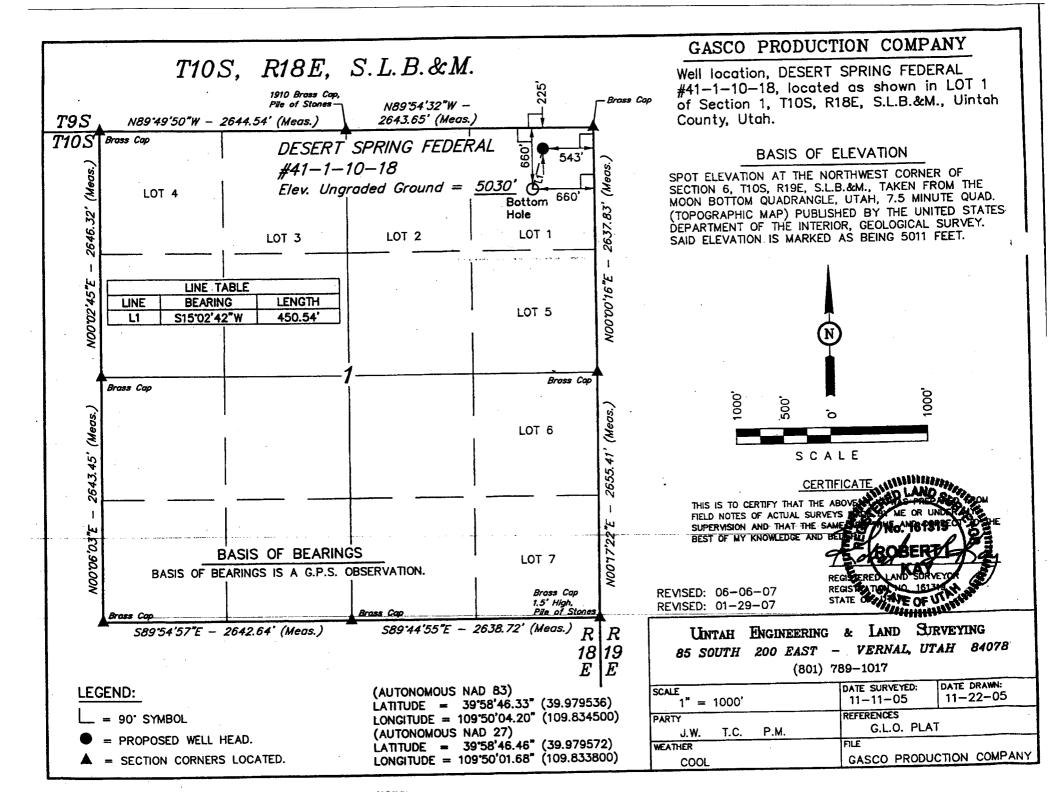
	APPLICATION FOR	PERMIT 1	TO DRILL	5. MINERAL LEASE NO.: UTU-013820	6. SURFACE:			
1A. TYPE OF WOR	RK DRILL 🖄 REENTER 🗆	DEEPEN	1	7. IF INDIAN, ALLOTTEE (	OR TRIBE NAME:			
B. TYPE OF WEL	.L: OIL 🗖 GAS ሺ OTHER	8. UNIT OF CA AGREEMEN N/A	NT NAME:					
2. NAME OF OPER	RATOR:	÷ .		9. WELL NAME and NUMI	BER:			
Gasco Pro	oduction Company			Desert Spring F	ederal #41-1-10-18			
3. ADDRESS OF C	PERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OF	A 693			
	ss Drive East, Suite 100, Englewood		303-483-0044	UKland	15 ut 4			
AT SURFACE:		NE) 660' FNL (	and 660' FEL	11. QTR/QTR, SECTION, MERIDIAN: Section 1, T10S				
	8 X 4495 991 Y 39 97830		33963	12. COUNTY:	13. STATE:			
14. 0.07.4102.111								
Approxi	mately 25.5 miles southeast of Myt nearest property or lease line (FEET)		R OF ACRES IN LEASE:	Uintah  17. NUMBER OF ACRES ASSIGN	Utah Utah			
15. DISTANCE TO	• • •	16. NUMBE	2519.16	40 Acres;				
18 DISTANCE TO	660' (Btm. Hole)  NEAREST WELL (DRILLING, COMPLETED, OR	19. PROPO	SED DEPTH:	20. BOND DESCRIPTION:	NE NE			
	) ON THIS LEASE (FEET):							
	None		455' MD - 12,415' TVD					
21. ELEVATIONS	(SHOW WHETHER DF, RT, GR, ETC.):	22. APPRO	XIMATE DATE WORK WILL START: 23. ESTIMATED DURATION:					
	5030' GL		ASAP	35 Da	ıys			
24.	PROP	OSED CASIN	G AND CEMENTING PRO	GRAM				
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH		, QUANTITY, YIELD, AND SLURRY V				
17-1/2"	13-3/8", H40, 48#	40'		um Type 5, 15.6 ppg, 1.1				
12-1/4"	8-5/8", J-55, 32#	3,348'	553 sx Hi-Lift, 11 ppg, 3.9					
7-7/8"	4-1/2", P110, 13.5#	12,455' MD	527 sx Hi-Lift, 11.5 ppg, 3.0	95 yield & 1190 sx 50-50 Po	z, 14.1 ppg, 1.28 yield			
			CONFIDE	NTIAL-TIGHT HO	)LE			
				RI	<b>CEIVED</b>			
25.		Α	TTACHMENTS	, A1	۰ ۱۱۷ ۵ ۵ ۵۵۵۳			
	LOWING ARE ATTACHED IN ACCORDANCE WITH T				OV 0 6 2007			
✓ WELL PL	AT OR MAP PREPARED BY LICENSED SURVEYOR (	OR ENGINEER	COMPLETE DRILLING F	DIV. OF	OIL, GAS & MINING			
EVIDENC	CE OF DIVISION OF WATER RIGHTS APPROVAL FOR	R USE OF WATER	FORM 5, IF OPERATOR	IS PERSON OR COMPANY OTHER	THAN THE LEASE OWNER			
AGENT: Pe	ermitCo Inc.			AGENT'S PHONE N	io.: <b>303-857-9999</b>			
NAME (PLEASE	Venessa Langmacher		TITLE Age	ent for Gasco Production	n Company			
SIGNATURE ,	Genera Garamacki	21	DATE NO	vember 1, 2007				
(This space for Sta	112 200 20		APPROVAL:	Approved by the Utah Division of Oil, Gas and Mining	9			

(11/2001)

Paderal Approval of this Action is Necessary

(See instructions on Reverse Sibate

By:



#### APPLICATION FOR PERMIT TO DIXILL OR REENTER

#### 24. Attachments

The	following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:
1.	Well plat certified by a registered surveyor.  Attached.
2.	A Drilling Plan Attached.
3.	A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the Appropriate Forest Service Office.  See Surface Use Plan Attached.
4.	Bond to cover the operations unless covered by an existing bond on file (see Item 20).  Bond coverage for this well is provided by Gasco Production Company under their BLM Bond No. Bond #UT-1233.
5.	Operator certification.  Please be advised that Gasco Production Company is considered to be the operator of the above mentioned well.  Gasco Production Company agrees to be responsible under the terms and conditions of the lease for the operation conducted upon the leased lands.
6.	Such other site specific information and/or plans as may be required by the authorized officer.

#### CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge, of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 25<sup>th</sup> day of June, 2007.

Venessa Langmacher

Agent for Gasco Production Company
Title

14421 County Road 10, Fort Lupton, CO 80621
Address

303/857-9999
Telephone

LSPermitco@aol.com
E-mail



Lease No. UTU-013820

DRILLING PROGRAM
Page 1

1

# ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

#### 1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Formation	TVD	MD	Subsea
Wasatch	4,996'	4,995'	-30'
Mesaverde	8,805'	8,765'	-3,800'
Castlegate	11,285'	11,245'	-6,280'
Blackhawk	11,535'	11,495'	-6,530'
Spring Canyon	12,205'	12,165'	-7,200'
TD	12,455'	12,415'	-7,450'

#### 2. <u>ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:</u>

Substance	Formation	Depth
Gas	Wasatch	5,200'-8,765'
Gas	Mesaverde	8,765'-11,245'
Gas	Blackhawk	11,495'-12,365'

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

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Lease No. UTU-013820

DRILLING PROGRAM
Page 2

#### 3. PRESSURE CONTROL EQUIPMENT

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.



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Lease No. UTU-013820

DRILLING PROGRAM
Page 3

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is <u>not</u> to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit <u>all</u> tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

#### 4. PROPOSED CASING AND CEMENTING PROGRAM:

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.

ONSHORE ORDER NO. 17 Gasco Production Company Desert Spring Federal #41-1-10-18 225' FNL and 543' FEL (Surface) 660' FNL and 660' FEL (Btm. Hole)

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

**DRILLING PROGRAM** 

Lot 1 (NE NE) Section 1, T10S - R18E Uintah County, Utah Page 4

- Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for b. exploratory wells (lacking better data).
- Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory C. wells (lacking better data)
- Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing d. annulus, with recognition that variances can be granted for justified exceptions.
- All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive e. strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- The surface casing shall be cemented back to surface either during the primary cement job g. or by remedial cementing.
- All indications of usable water shall be reported to the authorized officer prior to running the h. next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom j. plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.



Lease No. UTU-013820

DRILLING PROGRAM
Page 5

I. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

m. The proposed casing program will be as follows:

Purpose	Depth	Hole Size	O.D.	Weight	Grade	Туре	New/Used
Conductor	0-40'	17-1/2"	13-3/8"	48#	H-40		New
Surface	0-3,348'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-12,455'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

- n. Casing design subject to revision based on geologic conditions encountered.
- o. The cement program will be as follows:

Conductor	Type and Amount
TOC @ Surface	50 sx Premium Type 5 @ 15.6 ppg, 1.18 yield.
Surface	Type and Amount
TOC @ Surface	Lead: 553 sx Hi-Lift @ 11.0 ppg, 3.91 cu ft/sk. Tail: 185 sx 10-2 RFC @ 14.2 ppg, 1.63 cu ft/sk.
Production	Type and Amount
TOC @ 2,500'	Lead: 527 sx Hi-Lift @ 11.5 ppg, 3.05 cu ft/sk. Tail: 1190 sx 50/50 POZ @14.1 ppg, 1.28 cu ft/sk.

p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.



ONSHORE ORDER NO. 1
Gasco Production Company
Desert Spring Federal #41-1-10-18
225' FNL and 543' FEL (Surface)

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

DRILLING PROGRAM
Page 6

660' FNL and 660' FEL (Btm. Hole)
Lot 1 (NE NE) Section 1, T10S - R18E
Uintah County, Utah

- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- s. Auxiliary equipment to be used is as follows:
  - 1. Kelly cock
  - 2. No bit float is deemed necessary.
  - 3. A sub with a full opening valve.

#### 5. MUD PROGRAM

a. The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Mud Wt.	Visc.	F/L	рН
0' - 40'	Fresh Water	8.33	1	N/C	7
40' - 3,348'	Fresh Water	8.33	1	N/C	7-8
3,348' - TD	Fresh Water & DAP	9.0 - 11.5	30 - 40	12 - 20	8



Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

DRILLING PROGRAM
Page 7

There will be sufficient mud on location to control a blowout should one occur. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

- b. Mud monitoring equipment to be used is as follows:
  - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

#### 6. EVALUATION PROGRAM

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.



Uintah County, Utah

**CONFIDENTIAL - TIGHT HOLE** 

Lease No. UTU-013820

DRILLING PROGRAM
Page 8

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Schlumberger Platform Express or equivalent to be run from TD base of surface casing.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases0 will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program will be to test Perform multistage Fracs and complete all productive Blackhawk, Mesaverde and Wasatch zones present in wellbore. Produce all zones commingled. If required, the method used to account for and to allocate production from each pool so commingled will be by individual interval hydrocarbon pore volume calculation.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

#### 7. ABNORMAL TEMPERATURES OR PRESSURES

a. The expected bottom hole pressure is 6952 psi. The maximum bottom hole temperature anticipated is 211 degrees F.



CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

DRILLING PROGRAM
Page 9

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

#### 8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling will commence immediately upon approval of this application.
- It is anticipated that the drilling of this well will take approximately 35 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. <u>Immediate Report:</u> Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.



Lease No. UTU-013820

DRILLING PROGRAM
Page 10

- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- I. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.



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Lease No. UTU-013820

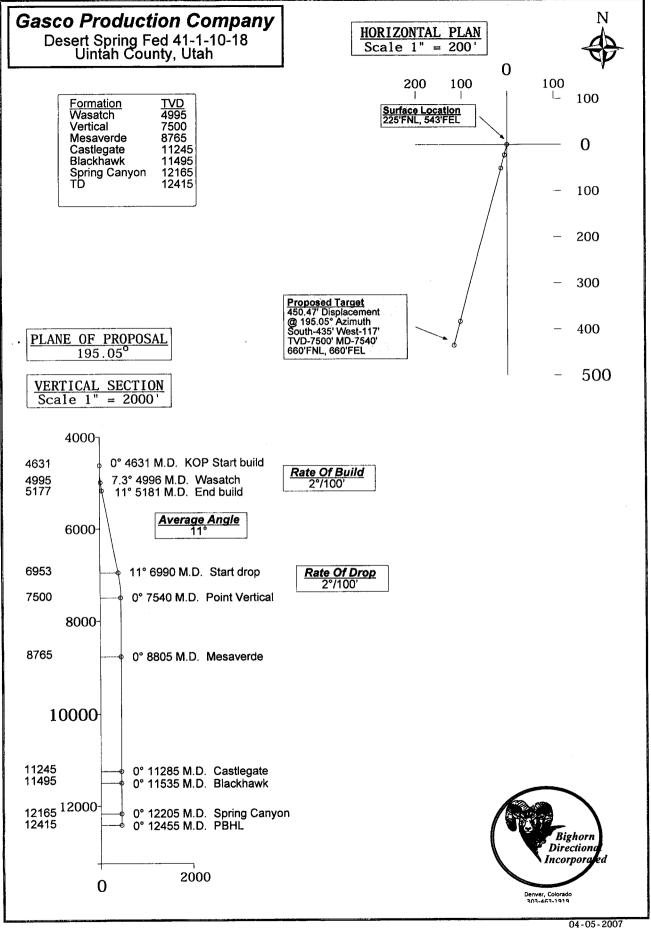
**DRILLING PROGRAM** 

Page 11

o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Phone: 435/781-4400 Fax: 435/781-4410					
Matt Baker	After Hours: Petroleum Engineer	435/828-4470			
Michael Lee	Petroleum Engineer	435/828-7875			





### Bighorn Directional, Inc.

Gasco Production Company
Desert Spring Fed 41-1-10-18
Uintah County, Utah

Minimum of Curvature
Slot Location: -225.00', -543.00'
Plane of Vertical Section: 195.05°

Page: 1

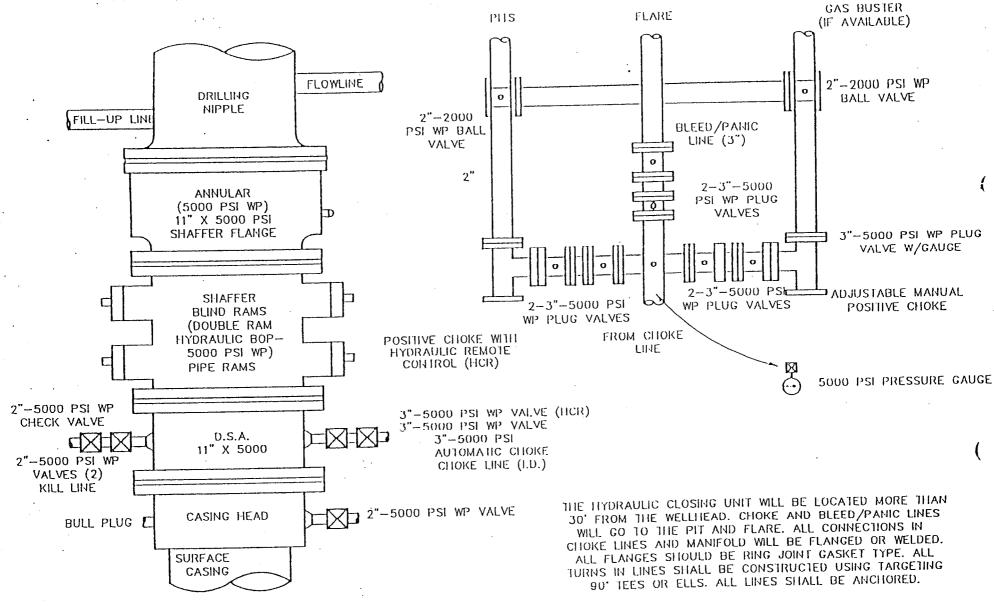
Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES North(-South) East(-West) Feet Feet		RDINATES COORDINATES Verticouth) East(-West) FNL FEL Section		Vertical Section Feet	CLOSU Distance D Feet	Dogleg Severity Deg/100'		
4630.83	0.00	195.05	4630.83	0.00	0.00	-225.00	-543.00	0.00	0.00	0.00	0.00	(
KOP Start build	d											
4730.83	2.00	195.05	4730.81	-1.69	-0.45	-226.69	-543.45	1.75	1.75	195.05	2.00	
4830.83	4.00	195.05	4830.67	-6.74	-1.81	-231.74	-544.81	6.98	6.98	195.05	2.00	
4930.83	6.00	195.05	4930.28	-15.16	-4.08	-240.16	-547.08	15.69	15.69	195.05	2.00	
4995.99	7.30	195.05	4995.00	-22.44	-6.04	-247.44	-549.04	23.24	23.24	195.05	2.00	
Wasatch												
5095.99	9.30	195.05	5093.95	-36.39	<b>-</b> 9.79	-261.39	-552.79	37.68	37.68	195.05	2.00	
5180.81	11.00	195.05	5177.44	-50.82	-13.67	-275.82	-556.67	52.63	52.63	195.05	2.00	
End build												
5680.81	11.00	195.05	5668.25	-142.95	-38.45	<i>-</i> 367.95	-581.45	148.04	148.04	195.05	0.00	
6180.81	11.00	195.05	6159.07	-235.09	-63.23	<b>-</b> 460.09	-606.23	243.44	243.44	195.05	0.00	
6680.81	11.00	195.05	6649.88	-327.22	-88.01	-552.22	-631.01	338.84	338.84	195.05	0.00	
6990.00	11.00	195.05	6953.39	-384.19	-103.33	-609.19	-646.33	397.84	397.84	195.05	0.00	
Start drop												
7090.00	9.00	195.05	7051.86	-400.95	-107.84	-625.95	-650.84	415.20	415.20	195.05	2.00	
7190.00	7.00	195.05	7150.89	-414.39	-111.46	-639.39	-654.46	429.12	429.12	195.05	2.00	1
7290.00	5.00	195.05	7250.33	-424.49	-114.17	-649.49	-657.17	439.57	439.57	195.05	2.00	1
7390.00	3.00	195.05	7350.08	-431.22	-115.98	-656.22	-658.98	446.55	446.55	195.05	2.00	
7490.00	1.00	195.05	7450.02	-434.59	-116.89	-659.59	-659.89	450.04	450.04	195.05	2.00	
7539.98	0.00	195.05	7500.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	2.00	
Point Vertical												
8804.98	0.00	195.05	8765.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00	
Mesaverde												
11284.98	0.00	195.05	11245.00	-435.01	-117.00	-660.01	<b>-</b> 660.00	450.47	450.47	195.05	0.00	
Castlegate												
11534.98	0.00	195.05	11495.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00	
Blackhawk												

Bighorn Directional, Inc.

Gasco Production Company	·	Page: 2
Desert Spring Fed 41-1-10-18		Minimum of Curvature
Uintah County, Utah		Slot Location: -225.00', -543.00'
		Plane of Vertical Section: 195.05°

Measured Depth Feet	B O R E Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANG COORDIN North(-South) Ea Feet Fe	ATES		= :	Vertical Section Feet	CLOSU Distance D Feet		Dogleg Severity Deg/100'
12204.98	0.00	195.05	12165.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Spring Canyon 12454.98 PBHL	0.00	195.05	12415.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00

Final Station Closure Distance: 450.47' Direction: 195.05°



ONSHORE ORDER NO. 1 Gasco Production Company

Desert Spring Federal #41-1-10-18

225' FNL and 543' FEL (Surface) 660' FNL and 660' FEL (Btm. Hole) Lot 1 (NE NE) Section 1, T10S - R18E CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN

Page 1

#### **ONSHORE OIL & GAS ORDER NO. 1** NOTIFICATION REQUIREMENTS

Location Construction -

Uintah County, Utah

forty-eight (48) hours prior to construction of location and access roads.

Location Completion -

prior to moving on the drilling rig.

Spud Notice

at least twenty-four (24) hours prior to spudding the well.

Casing String and

twenty-four (24) hours prior to running casing and

Cementina

cementing all casing strings.

**BOP** and Related **Equipment Tests** 

twenty-four (24) hours prior to initiating pressure tests.

First Production -

within five (5) business days after new well begins or

Notice

production resumes after well has been off production for more than

ninety (90) days.

The onsite inspection for the subject well site was conducted on Tuesday, February 27, 2007 at approximately 11:48 a.m. Weather conditions were cool and cloudy. In attendance at the onsite inspection were the following individuals:

Darren Williams **Amy Torres** 

Natural Resource Specialist Bureau of Land Management

Shon McKinnon

Wildlife Biologist Consultant

**Bureau of Land Management** Gasco Production Company

Brian O'Hearn

**Ecologist** 

**SWCA** 

Randy Smith

Permitting Agent

PermitCo Inc.

Jesse Walton Surveyor Uintah Engineering & Land Surveying

#### 1. **EXISTING ROADS**

The proposed well site is located approximately 25.5 miles southeast of Myton, Utah. a.



Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN Page 2

b. Directions to the location from Myton, Utah are as follows:

Proceed southwesterly on Highway 40 for 1.5 miles. Turn left and proceed southeasterly for approximately 11.2 miles to the Castle Peak Mine. Turn left and proceed east for approximately 5.4 miles on the 8 mile flat road. Turn right and proceed southerly 2.5 miles. Continue southeasterly 3.1 miles. Continue easterly 1.8 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

#### 2. PLANNED ACCESS ROADS

- a. No new access will be required since the existing improved road cuts across the corner of the proposed pad.
- b. The maximum grade of the existing construction is approximately 2%.
- c. No culverts will be necessary.
- d. It was not necessary to center-line stake the road since it is existing.
- e. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.
- f. No cattle guards will be necessary.



CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN Page 3

g. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

- h. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- i. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- j. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- k. No road right of way will be necessary.

## 3. LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION. (See Map "C")

- a. Water wells none
- b. Injection wells none
- c. Producing wells thirteen
- d. Drilling wells none



Uintah County, Utah

#### CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN Page 4

- e. Shut-in wells none
- f. Temporarily abandoned wells none
- g. Disposal wells -none
- h. Abandoned wells one
- i. Dry Holes none

#### 4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Carlsbad Canyon. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If the well is productive, a production facility layout will be submitted via sundry.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the separator. Meter runs will be housed and/or fenced.
- f. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter



ONSHORE ORDER NO. TO CONFIDENTIAL - TIGHT HOLE
Gasco Production Company

Desert Spring Federal #41-1-10-18
225' FNL and 543' FEL (Surface)
660' FNL and 660' FEL (Btm. Hole)
Lot 1 (NE NE) Section 1, T10S - R18E
Uintah County, Utah

Lease No. UTU-013820

SURFACE USE PLAN Page 5

calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- I. The road will be maintained in a safe useable condition.
- m. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- n. The flowline will tie into the existing line as shown on Map D. See Pipeline detail attached.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

- a. The proposed water source will be the Nebecker Water Service at the Nebecker Water Station in Myton, permit #43-1721.
- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.



Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN Page 6

#### 6. SOURCE OF CONSTRUCTION MATERIAL

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

#### 7. METHODS OF HANDLING WASTE DISPOSAL

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a double felt 16 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.



CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN
Page 7

- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

#### 8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

a. In order to accommodate the construction of the pad, the 21-6-10-19 will be temporarily shut in while the well is being drilled. The existing pipeline will be cut and slid northerly. Once the pad reclamation is completed, the pipeline will be re-connected on the south side of the existing road.

#### 9. WELL SITE LAYOUT

- a. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- b. Corners 6 & 8 of the wellpad will be rounded as needed to reduce the amount of fill.
- c. The reserve pit will be located on the northeast side of the location.
- d. The flare pit will be located on the southeast side of the reserve pit, a minimum of 100 feet from the well head and 20 feet from the reserve pit fence.
- e. The stockpiled topsoil (first six inches) will be stored on the northwest side of the location, between Corners 8 and 1 near the wellpad. Topsoil along the access route will be wind rowed on the uphill side.
- f. Access to the well pad will be from the west as shown on the Pit & Pad Layout.
- g. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.



**CONFIDENTIAL - TIGHT HOLE** 

ONSHORE ORDER NO. 1 Gasco Production Company

Desert Spring Federal #41-1-10-18

225' FNL and 543' FEL (Surface)

660' FNL and 660' FEL (Btm. Hole)

Lot 1 (NE NE) Section 1, T10S - R18E

Uintah County, Utah

Lease No. UTU-013820

SURFACE USE PLAN Page 8

- h. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- i. All pits will be fenced according to the following minimum standards:
  - 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
  - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
  - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 4. Standard steel, wood, or pipe posts shall be used between the corner braces.

    Maximum distance between any two posts shall be no greater than 16 feet.
  - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- j. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

#### 10. PLANS FOR RESTORATION OF SURFACE

#### **Producing Location**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.



Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN Page 9

- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. A seed mixture will be specified by the Bureau of Land Management in their Conditions of Approval for the subject well.
  - Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.
- f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.
- g. The seed mixture will be recommended by the BLM.

#### Dry Hole

h. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

#### Interim Surface Reclamation will be as follows:

1. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.



CONFIDENTIAL - TIGHT HOLE

ONSHORE ORDER NO. 1 Gasco Production Company

Desert Spring Federal #41-1-10-18

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Lot 1 (NE NE) Section 1, T10S - R18E

Uintah County, Utah

Lease No. UTU-013820

SURFACE USE PLAN Page 10

- 2. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
- 3. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit.

  Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
- 4. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.
- 5. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas at the time of the onsite.

#### 11. SURFACE OWNERSHIP

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management.

Well pad - The well pad is located on lands managed by the BLM.

#### 12. OTHER INFORMATION

a. A Class III Archeological Survey has been conducted by Grand River. A copy of this report is attached.



Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-013820

SURFACE USE PLAN
Page 11

- b. A Paleontological Evaluation has been conducted by Alden Hamblin on March 20, 2007. No mitigation recommendations have been made. A copy of this report is attached.
- c. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
  - -whether the materials appear eligible for the National Register of Historic Places;
  - -the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - -a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.
- d. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- e. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.



CONFIDENTIAL - TIGHT HOLE

ONSHORE ORDER NO. 1 Gasco Production Company

Desert Spring Federal #41-1-10-18

225' FNL and 543' FEL (Surface)

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Lot 1 (NE NE) Section 1, T10S - R18E

Uintah County, Utah

Lease No. UTU-013820

SURFACE USE PLAN Page 12

- f. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- g. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- h. There will be no deviation from the proposed drilling and/or work over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- i. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- j. This permit will be valid for a period of two years from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- k. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- I. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

#### 13. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Permit Matters

PERMITCO INC.

14421 County Road 10 Ft. Lupton, CO 80621 303/857-9999 (O) 303/857-0577 (F) Lisa Smith **Drilling & Completion Matters** 

**Gasco Production Company** 

8 Inverness Drive East, Suite 100 Englewood, CO 80112 John Longwell 303/483-0044 (O) 303/ 483-0011(F)

Shawn Elworthy - Field Superintendent Roosevelt, UT 435-823-4272 (cell)



## PIPELINE INFORMATION Desert Spring Federal #41-1-10-18

- 1. The type of pipeline is a single well flow line.
- 2. The outside diameter (O.D.) of all will be 8 inches maximum.
- 3. The anticipated production through the line is approximately 2000 MCF per day.
- 4. The anticipated maximum test pressure is 1000 psi.
- 5. The anticipated operating pressure is 100-200 psi.
- 6. The type of pipe is steel.
- 7. The method of coupling is welded.
- 8. There are no other pipelines to be associated in same right of way.
- 9. There will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
- 10. The total length of pipeline is approximately 50 feet.
- 11. The line will be buried in the pad to the tie-in point.
- 12. The trenching of the pad will be done within the existing pad.
- 13. There will be no additional surface disturbance created by this flow line.
- 14. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.
- 15. The line will be tested with gas pressure to 1000 psi.



#### FEDERAL STIPULATIONS AND TIMING RESTRICTIONS

Any timing stipulations will be attached as a condition of approval by the BLM.



# Class III Cultural Resource Inventory Report of Fourteen Proposed Well Locations and Related Linear Routes in the Sheep Wash and Uteland Butte Area of Uintah County, Utah for Gasco Production Company

#### Declaration of Positive Findings

GRI Project No. 2722

23 April 2007

Prepared by

Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
BLM Antiquities Permit No.07UT54939
UDSH Project Authorization No. U07-GB-0032b,s

Carl E. Conner, Principal Investigator

#### Submitted to

The Bureau of Land Management Vernal District Office 170 South 500 East Vernal, Utah 84078 School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, Utah 84102-2818

#### **Abstract**

Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company of fourteen proposed well locations (Fed. #13-18-9-19, Fed. #11-19-9-19, Fed. #13-19-9-19, Sheep Wash Fed. #11-25-9-18, Sheep Wash Fed. #31-25-9-18, Sheep Wash Fed. #31-25-9-18, Sheep Wash Fed. #43-33-9-18, Uteland Fed. #32-3-10-18, Uteland Fed. #43-3-10-18, Uteland Fed. #41-10-10-18, Fed. #41-1-10-18, Fed. #31-6-10-19, and State #22-32A, #21-32B, & #21-32A) and 2.74 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No. 07UT-54939 and Utah Division of State History (UDSH) Project Authorization No. U07-GB-0032b,s. This work was done to meet requirements of Federal and State laws that protect cultural resources.

Files searches conducted through the BLM Vernal District Office (BLM) and through the UDSH indicated two sites (42UN2290 and 42UN2844) were previously recorded near two of the project's discrete areas. Field work was performed between the 18th and 21st of April 2007. A total of about 206.5 acres (BLM 188, State 18.5) was inspected. The two previously recorded sites were relocated as part of this project and found to lie outside impact areas, so no further work is recommended for them. Three isolated finds and one site (42UN5806) were newly recorded. The site was field evaluated as significant and eligible for listing on the National Register of Historic Places. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

## **Table of Contents**

Introduction			1
Location of Project Area			1
Environment			1
Files Search	· • • •		5
Study Objectives	· • • •		6
Field Methods			6
Study Findings			
Summary of Site Evaluations and Management Recommendations			9
References		1	0
Appendix A: Resources Location Data and IMACS and Isolated Find Forms		. A.	. 1
List of Figures and Table			
Figures 1 through 3. Project location maps		. 2-	.4
Figure A-1 through A-3. Location maps for cultural resources	. A.	3 <b>-</b> A.	.5
Table 1. List of Isolated Finds			9
Table A.1 Location data for cultural resources		Δ	2

#### Introduction

At the request of Gasco Production Company and the Bureau of Land Management Vernal Field Office (BLM), Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company of fourteen proposed well locations (Fed. #13-18-9-19, Fed. #11-19-9-19, Fed. #13-19-9-19, Sheep Wash Fed. #11-25-9-18, Sheep Wash Fed. #31-25-9-18, Sheep Wash Fed. #12-26-9-18, Sheep Wash Fed. #43-33-9-18, Uteland Fed. #32-3-10-18, Uteland Fed. #43-3-10-18, Uteland Fed. #14-10-10-18, Fed. #41-1-10-18, Fed. #31-6-10-19, and State #22-32A, #21-32B, &#21-32A) and 2.74 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No. 07UT-54939 and Utah Division of State History (UDSH) Project Authorization No. U07-GB-0032b,s. The file searches, survey and report were completed by Carl E. Conner (Principal Investigator) and Barbara J. Davenport of GRI. Field work was performed between the 18<sup>th</sup> and 21<sup>st</sup> of April 2007. A total of about 206.5 acres (BLM 188, State 18.5) was inspected.

The survey was done to meet requirements of the Federal Land Policy and Management Act of 1976, the National Historic Preservation Act as amended in 1992, and the National Environmental Policy Act (NEPA) of 1969. These laws are concerned with the identification, evaluation, and protection of fragile, non-renewable evidences of human activity, occupation and endeavor reflected in districts, sites, structures, artifacts, objects, ruins, works of art, architecture, and natural features that were of importance in human events. Such resources tend to be localized and highly sensitive to disturbance.

#### Location of Project Area

The study area's discrete units lie southwest of Vernal, Utah, in the Sheep Wash/ Uteland Butte area of Uintah County. The 10-acre blocks surveyed for the proposed new well locations, and the 200-foot-wide corridors inventoried for the proposed new access roads and/or pipeline routes are in T. 9 S., R. 18 E., Sections 25, 26, 33 and 36; and, T. 9 S., R. 19 E., Sections 18, 19 and 32; T. 10 S., R. 18 E., Sections 1, 3 and 10; T. 10 S., R. 19 E., Section 6; SLBM.

#### Environment

The project areas are within the major geologic subdivision of the Colorado Plateau known as the Uinta Basin Section. In Utah, this section extends from the Uinta Mountains on the north to the Book Cliffs on the south. It is a broad downwarp into which Quaternary-and Tertiary-age deposits were made from the surrounding mountains which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks (Rigby 1976:xi). Physiographically, the basin includes the Uinta basin in the north portion and the Book Cliffs/Roan Plateau in the south portion. The lower Uinta

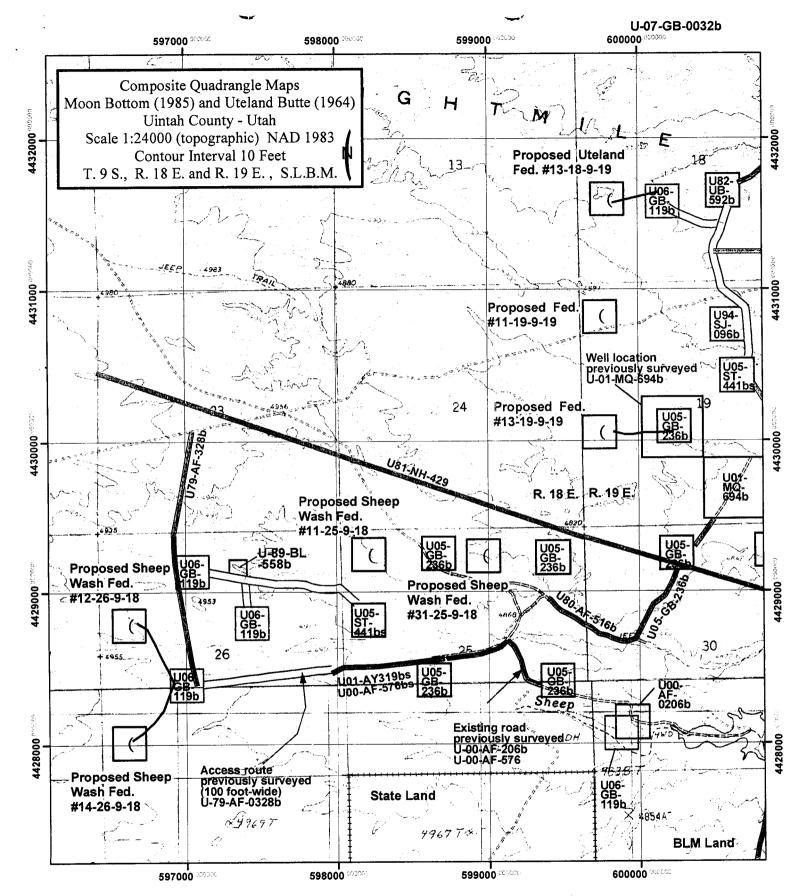


Figure 1. Prefield area map (1of3) for the Class III cultural resources inventory of 16 proposed Federal and State well locations and short new accesses in the Sheep Wash and Uteland Butte areas of Uintah County, Utah, for Gasco Production Co. Areas to be surveyed are indicated. [Grand River Institute #2722, April 2007]

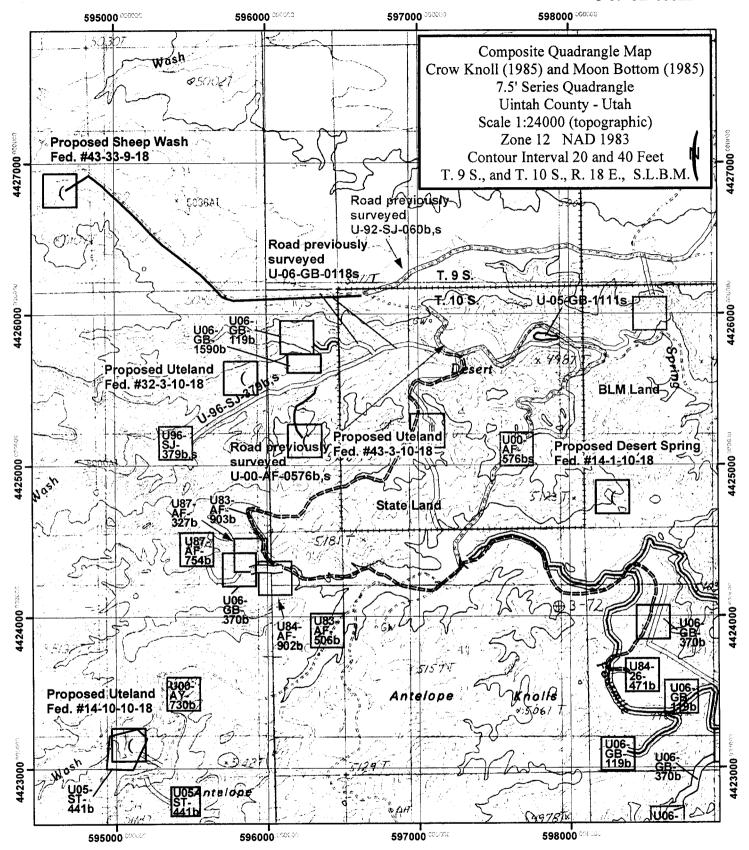


Figure 2. Prefield area map (2 of3) for the Class III cultural resources inventory of 16 proposed Federal and State well locations and short new accesses in the Sheep Wash and Uteland Butte areas of Uintah County, Utah, for Gasco Production Co. Areas to be surveyed are indicated. [Grand River Institute #2722, April 2007]

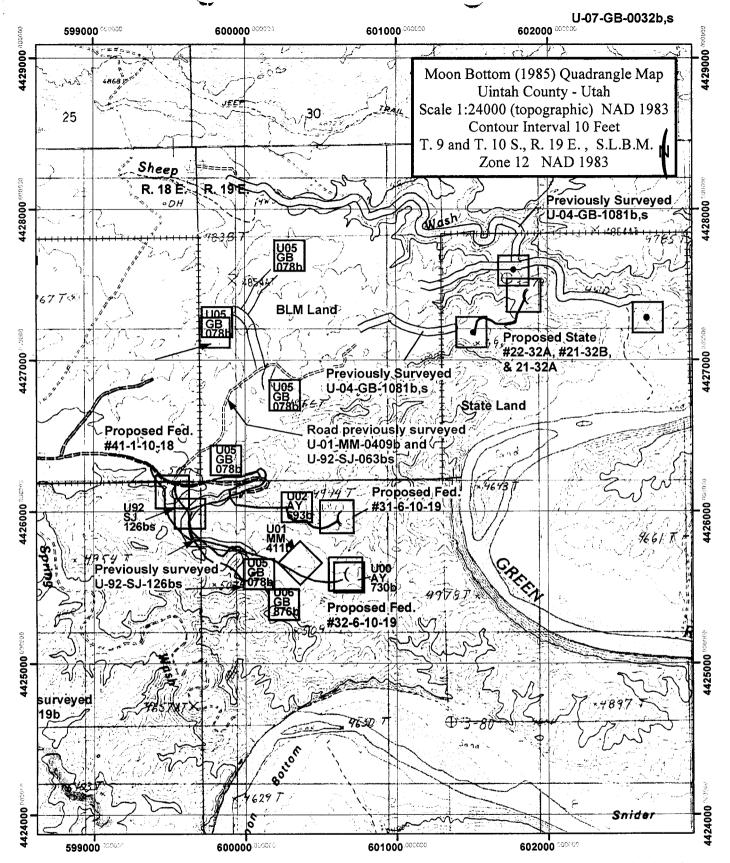


Figure 3. Prefield area map (10f3) for the Class III cultural resources inventory of 16 proposed Federal and State well locations and short new accesses in the Sheep Wash and Uteland Butte areas of Uintah County, Utah, for Gasco Production Co. Areas to be surveyed are indicated. [Grand River Institute #2722, April 2007]

Formation is the bedrock of the study area. Holocene and Pleistocene-age alluvium and colluvium occur as a veneer over the Uinta. It consists of channel and flood-plain stream deposits. Soils encountered were rocky, shaley, silty, and sandy loams, which are in general formed in residuum from the underlying formation. However, dunes are common in this region as well.

Elevations in the project area range from 4780-to-4950 feet. The terrain is characterized as bench land that is cut by dendritic washes. Vegetation is a shadscale desert community throughout most of the area. Notably, Indian Ricegrass occurs on the stabilized dunes that border many of the small buttes in the area, and may have been a significant source of food for the native inhabitants. Regional faunal inhabitants include deer, antelope, elk, black bear, coyote, mountain lion, cottontails, jack rabbits, and various raptores.

A cool, mid-latitude steppe climate prevails. Annual precipitation of this elevation range is between 7 and 10 inches. Temperatures range from 100°F in the summer to -40°F in January. Paleoenvironmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture, and cooling-warming trends probably affected the prehistoric occupation of the region.

#### Files Search

Files searches were conducted through BLM and UDSH. Previous projects in the areas near the inventory blocks and linear routes are numerous and generally relate to oil and gas development. Those that are adjacent to the project areas are discussed below.

Numerous projects have been completed in the Sections indicated in the Location of Project portion of the report. Significant to this report are those projects shown on Figures 1-3, including: U92-SJ-126b,s, U96-SJ-379b,s, U01-MQ-694b, U02-AY-693b, U04-GB-1081b,s, U05-GB-236b, U05-ST-441b, U06-GB-119b, 06-MQ-0657b,i,p,s. As part of U96-SJ-379b,s two sites (42UN2290 and 42UN2291) were recorded along the existing access road to the connecting, proposed new access roads to the Uteland Fed. #32-3-10-18 and the Uteland Fed. #43-3-10-18. Both of the sites were apparently avoided by the previous construction of the existing access. Site 42UN2290, a prehistoric open camp that was previously evaluated as significant, is close to the proposed access to the #32-3, so it was revisited by the currant project to determine its relationship to the proposed action. In addition, site 42UN2844, a cairn recorded as part of #U-01-MM-0411, was originally recorded within the impact area of the proposed Fed. #41-1-10-18 well location, and was also relocated as part of this project.

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the Paleoindian Tradition, the Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found.

Historic records suggest occupation or use by EuroAmerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 11, Archaeological Inventory in the Seep Ridge Cultural Study Tract, Uintah County, Northeastern Utah with a Regional Predictive Model for Site Locations (Chandler and Larralde 1980), and in Cultural Resources Existing Data Inventory Vernal District, Utah (Jones and Mackay 1980).

#### **Study Objectives**

The purpose of the study was to identify and record all cultural resources within the areas of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). The statements of significance included in this report are field assessments made in support of recommendations to the BLM and State Historic Preservation Officer (SHPO), and the final determination of site significance is made by the BLM in consultation with the SHPO.

Paleontological resources were also considered in the inspection. However, a final evaluation of those resources must be provided by a paleontologist permitted by Utah.

#### Field Methods

A Class III, 100% pedestrian, cultural resources survey of the proposed well locations was made by walking a series of concentric circles (spaced at 15m intervals) around the flagged centers to diameters of 750 feet. The related access and pipeline routes not included within the 10-acre study plots or the previous survey areas were surveyed by walking four parallel transects spaced at 15m intervals and centered on the flagged lines to cover corridors 200 feet wide.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant feature(s) indicative of patterned human activity. Isolated finds were defined by the presence of 1 to 5 artifacts apparently of surficial nature. Cultural resources encountered were to be recorded to standards set by the Utah Division of State History (UDSH).

The basic approach to the data collection was the continuous mapping of observed artifacts and features by recording UTM coordinates (NAD 83 Datum) using a Trimble Geo XT. Site maps were created using corrected data and ARCMAP. Photographs were to be taken at each site and to include general views and specific artifacts or features. Field notes and photo negatives are filed at Grand River Institute, while the photographs are submitted to the BLM and UDSH. No artifacts were collected.

#### **Study Findings**

As expected, cultural resources were encountered during the survey. Three isolated finds and one site (42UN5806) were newly recorded. Previously recorded sites 42UN2290 and 42UN2844 were revisited to ascertain their relationship to the proposed well locations. No paleontological resources were found. This portion of the report presents a discussion of site significance evaluation, describes the sites and provides their field evaluations, and lists the isolated finds. Appendix A contains the resources' location data and the IMACS site forms.

#### Site Significance

The National Historic Preservation Act of 1966 (NHPA) directs federal agencies to ensure that federally-initiated or authorized actions do not inadvertently disturb or destroy significant cultural resource values. Significance is a quality of cultural resource properties that qualifies them for inclusion in the NRHP. The statements of significance included in this report are field assessments to support recommendations to the BLM and State Historic Preservation Officer (SHPO). The final determination of site significance is made by the controlling agencies in consultation with the SHPO and the Keeper of the Register.

The Code of Federal Regulations was used as a guide for the in-field site evaluations. Titles 36 CFR 50, 36 CFR 800, and 36 CFR 64 are concerned with the concepts of significance and (possible) historic value of cultural resources. Titles 36 CFR 65 and 36 CFR 66 provide standards for the conduct of significant and scientific data recovery activities. Finally, Title 36 CFR 60.4 establishes the measure of significance that is critical to the determination of a site's NRHP eligibility, which is used to assess a site's research potential:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and a) that are associated with events that have made a significant contribution to the broad patterns of history; or b) that are associated with the lives of persons significant in our past; or c) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or d) that have yielded, or may be likely to yield, information important in the prehistory or history.

#### Site Descriptions

Site **42UN2290** is a prehistoric lithic scatter that was originally recorded in 1996 by Christensen, Weymouth and King of Sagebrush Archaeological Consultants with project #U-96-SJ-0379b,s. At that time the site was described "as a low density prehistoric lithic

scatter with two hearth features (H1 and H2) located on a low, gently sloping bench above Desert Spring Wash. The site measures 10m (32.8 feet) northwest-southeast by 12m (39.36 feet) northeast-southwest.

The exposed lithic assemblage reflects primary and secondary core reduction of quartz, white quartzite and thermally and non-thermally altered orange, white, tan, and grey cherts. Grey and tan chert cobbles eroding from the landform were noted, and may have been thermally altered for on-site reduction. H1, a stone slab lined fire hearth, survives, in excellent condition. This circular feature consists of local tabular sandstone and angular sedimentary fire-cracked-rock (FCR) and possesses an inner diameter of 57cm (22.4). H2 is a possible deflated fire hearth or FCR scatter. No charcoal or carbon staining of surrounding sediments was observed. No temporally diagnostic artifacts were observed, however H1 has C14 dating potential due to its high degree of archaeological integrity."

The site was relocated with the present project. New UTM coordinates and photos were taken and a new map generated. The site appears in much the same condition as originally recorded, despite the passage of 11 years since that time. The upgraded access road was also mapped in, and has to date, avoided impacting the site. Accordingly, no changes are made to its original recommendation as a significant site.

#### Evaluation and Management Recommendation

The site is field evaluated as significant. Although partially deflated by erosion, subsurface depth of cultural fill is likely and the site may contribute additional important information to the prehistory of the area. Presently, it lies 21 meters southeast of the edge of the existing road and will not be directly affected by the proposed new access to the Uteland Federal #32-3-10-18 well location (which will be located on the northwest side of the existing road). Accordingly, no further work is necessary.

Site **42UN2844** was originally recorded in 2001 by L. Travis of Metcalf Archaeological Consultants in conjunction with an access road upgrade project #U-01-MM-0411. The site was described at that time as a cairn and three flakes.

The site was relocated with the present project, new UTM coordinates and photos were taken and a new map generated. The cairn appears to be partially collapsed since its original recording and the previously noted flakes were not found. The site was originally unevaluated.

## Evaluation and Management Recommendation

The site is field evaluated as non-significant and not likely to contribute additional historic information. The site lies outside the 10-acre survey area for the proposed Federal #41-1-10-18 well location and will not be directly affected by the proposed project. Accordingly, no further work is necessary.

Site 42UN5806 is a prehistoric open lithic site located in the bottom of Desert Springs Wash at 4660 feet elevation. The site is situated in a sand shadow on the east side of a low ridge, south of the main drainage. Vegetation is desert shadscale with four-wing saltbush. Nearby, the main drainage contains tamarisk and water is near the surface in this area. Two other sites have been previously recorded (42UN2290 and 42UN2291) in the near vicinity and are likely present due to the access to water in the main drainage.

The site measures approximately 27 meters by 15 meters. Artifacts consist of two scrapers, one drill and a flake. The scrapers are both of porcellanite, one on a natural blade with a single utilized edge. The drill measures 4.56 x 2.0cm and is of white opalitic chert. The flake is a small, secondary opalitic variety of chert. No thermal or architectural features were observed. However, since the site is located in an area of accumulated soil deposits and artifacts are apparently eroding from those soils, subsurface depth of cultural fill may be present. In light of this possibility, the site is field evaluated as significant.

## Evaluation and Management Recommendation

The site is field evaluated as significant. Subsurface depth of cultural fill is likely and may contribute additional important information to the prehistory of the area. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

Table 1. List of Isolated Finds

Number	Type
IF #1	2 scrapers: 1 very large, quartzite; 1 small, endscraper with chert
IF#2	Mano, cobble, sandstone
IF #3	Flake, medium-sized, mudstone

## Summary of Site Evaluations and Management Recommendations

The eligibility determination and consultation process is guided by Section 106 of the NHPA (36 CFR 60, 63, and 800). Inventory to identify, evaluate, and mitigate potential effects to cultural resources affected by an undertaking is the first step in the Section 106

process. BLM actions cannot be authorized until the Section 106 process is completed (36 CFR 800.3). In brief, the inventory recorded two prehistoric lithic scatters and two isolated finds.

As indicated by the files searches, two sites (42UN2290 and 42UN2844) were previously recorded near or within two of the project's discrete areas. The two previously recorded sites were relocated as part of this project and found to lie outside impact areas, so no further work is recommended for them. Three isolated finds and one site (42UN5806) were newly recorded. The site was field evaluated as significant and eligible for listing on the National Register of Historic Places. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

#### References

Jones, Kevin T. and K.L. Mackay

1980 Cultural Resources Existing Data Inventory Vernal District, Utah. Report of Investigations 80-18, University of Utah, Salt Lake City.

Hauck, F. Richard and Dennis G. Weder

1989 Pariette Overlook – A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. Ms on file, Bureau of Land Management Vernal Field Office.

Larralde, Signa L. and Susan M. Chandler

1980 Archaeological inventory in the Seep Ridge Cultural Study Tract, Uintah County, Utah. In: Utah BLM Cultural Resource Series No. 11. Bureau of Land Management, Salt Lake City.

Rigby, J. Keith

1976 Northern Colorado Plateau. Kendall/Hunt Publishing Company. Dubuque.

Table A-1. Location data for cultural resources.

Number	Type	UTM Location (NAD83)
42UN2290	Open camp	12; 596152mE; 4425494mN
42UN2844	Cairn	12; 599684mE; 4426159mN
42UN5806	Open Lithic	12; 596340mE; 4425500mN
IF #1	2 scrapers: 1 very large, quartzite; 1 small, endscraper with chert	12; 599753mE; 4431615mN
IF#2	Mano, cobble, sandstone	12; 599865mE; 4431581mN
IF #3	Flake, medium-sized, mudstone	12; 599859mE; 4430802mN

## PALEONTOLOGY EVALUATION SHEET

PROJECT: GASCO ENERGY Well - Desert Springs Federal #41-1-10-18

**LOCATION:** Twenty miles southeast of Myton, Utah, 225' FNL 543' FEL Section 1, T 10S, R 18 E, Uintah County, Utah

OWNERSHIP: PRIV[ ] STATE[ ] BLM[ X ] USFS[ ] NPS[ ] IND[ ] MIL[ ] OTHER[ ]

**DATE:** March 20, 2007

**GEOLOGY/TOPOGRAPHY:** The well pad sits next to the main road and next to an existing pipeline. The well location is on a point with the center stake on a high spot. Pads drops off on the east, south and west side and a little on the north. Rock exposures are sandstones and mudstones of the middle part of the lower member of the Uinta Formation, Upper Eocene age.

**PALEONTOLOGY SURVEY:** YES [X] NO Survey [] PARTIAL Survey [] Surveyed rock exposures a long the road, pipeline and in the well pad area.

**SURVEY RESULTS:** Invertebrate [ ] Plant [ ] Vertebrate [ X ] Trace [ ] No Fossils Found [ ] Only found several fragments of Turtle shell. This was not recorded as a fossil locality.

PALEONTOLOGY SENSITIVITY: HIGH [ ] MEDIUM [ x ] LOW [ X ] (PROJECT SPECIFIC)

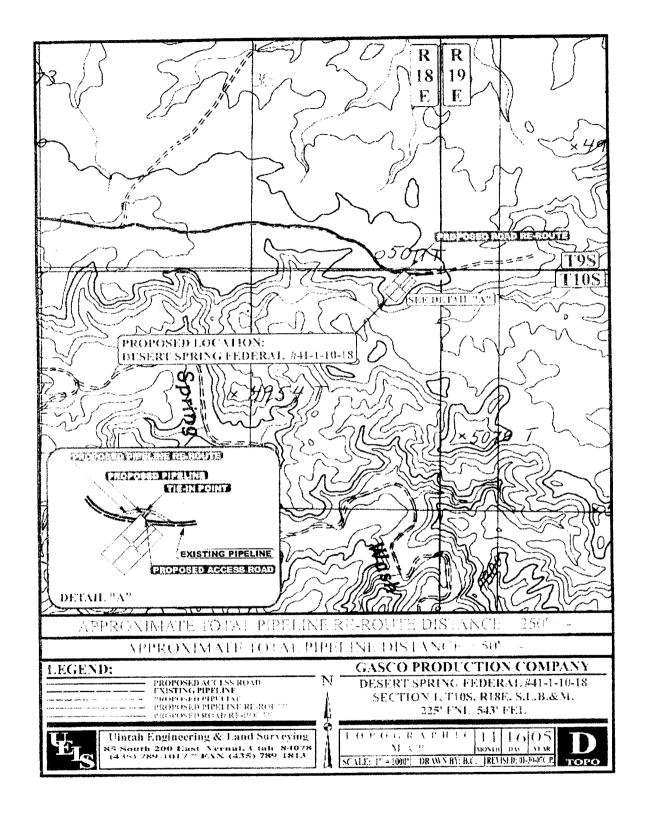
MITGATION RECOMMENDATIONS: NONE [X] OTHER [] (SEE BELOW)

No recommendations are being made.

There is always a chance of encountering vertebrate fossil when working in the Uinta Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, etc.) are encountered during construction, work should stop in that area and a paleontologist contacted to evaluate the material discovered.

#### **EVALUATION BY PALEONTOLOGIST:** Alden H. Hamblin

A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355 Utah State Paleontological Permit # 07-355, BLM paleontological Resources Permit # UT-S-05-02. Utah Professional Geologist License – 5223011-2250.



## **GASCO PRODUCTION COMPANY**

## **DESERT SPRING FEDERAL #41-1-10-18**

LOCATED IN UINTAH COUNTY, UTAH SECTION 1, T10S, R18E, S.L.B.&M.

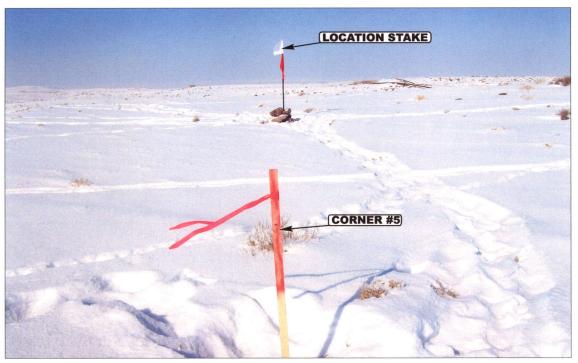


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHWESTERLY** 

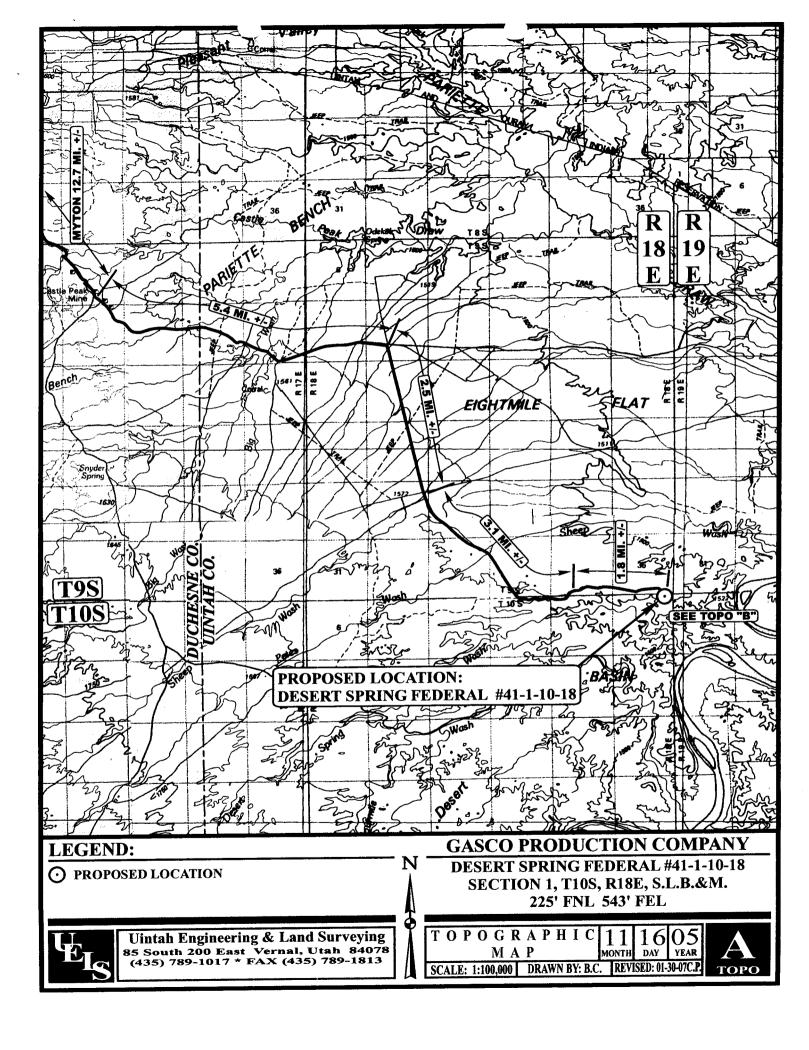


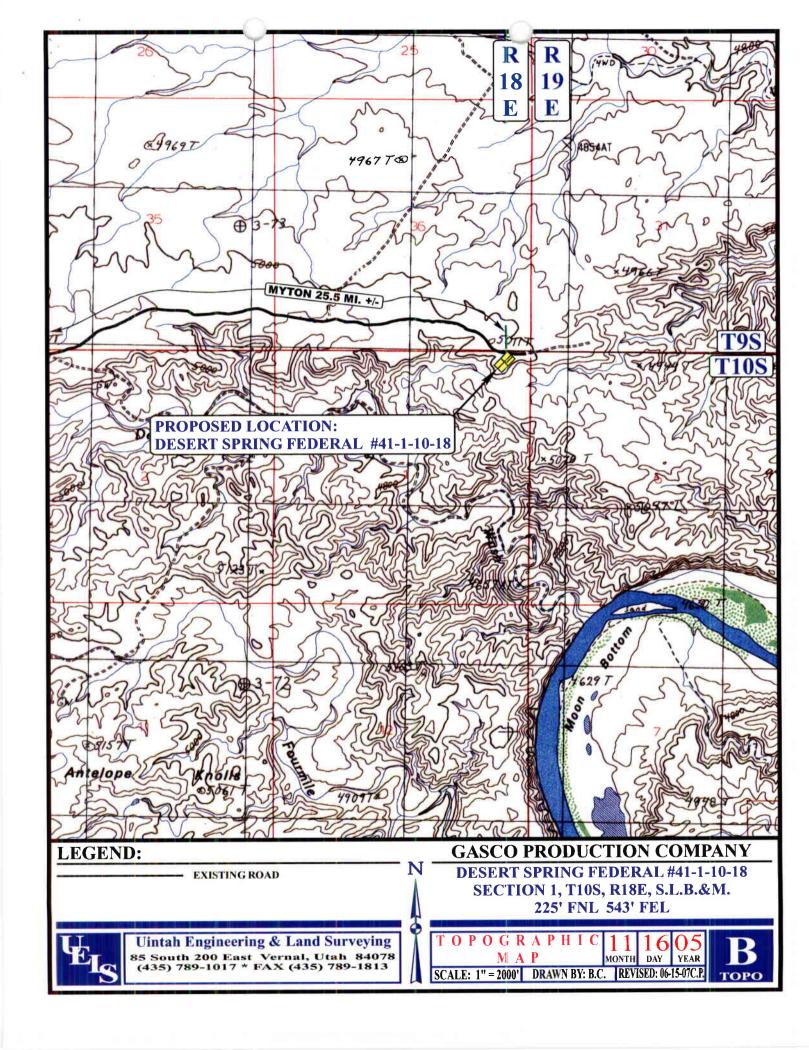
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

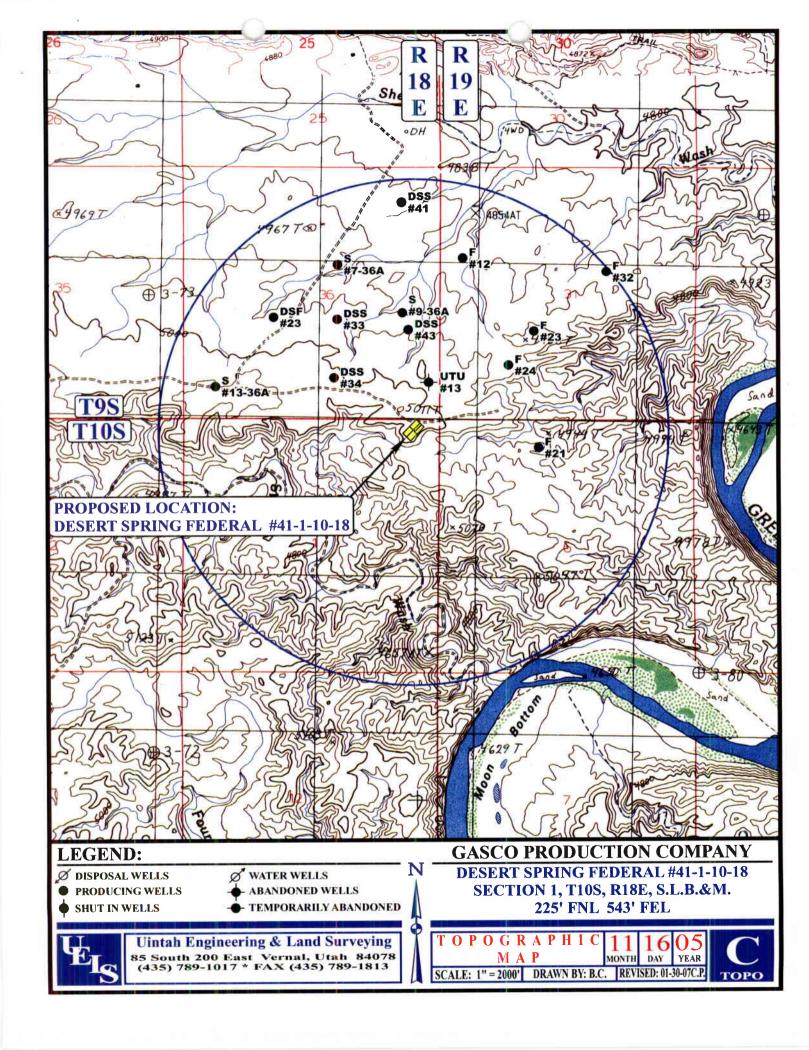
**CAMERA ANGLE: NORTHEASTERLY** 

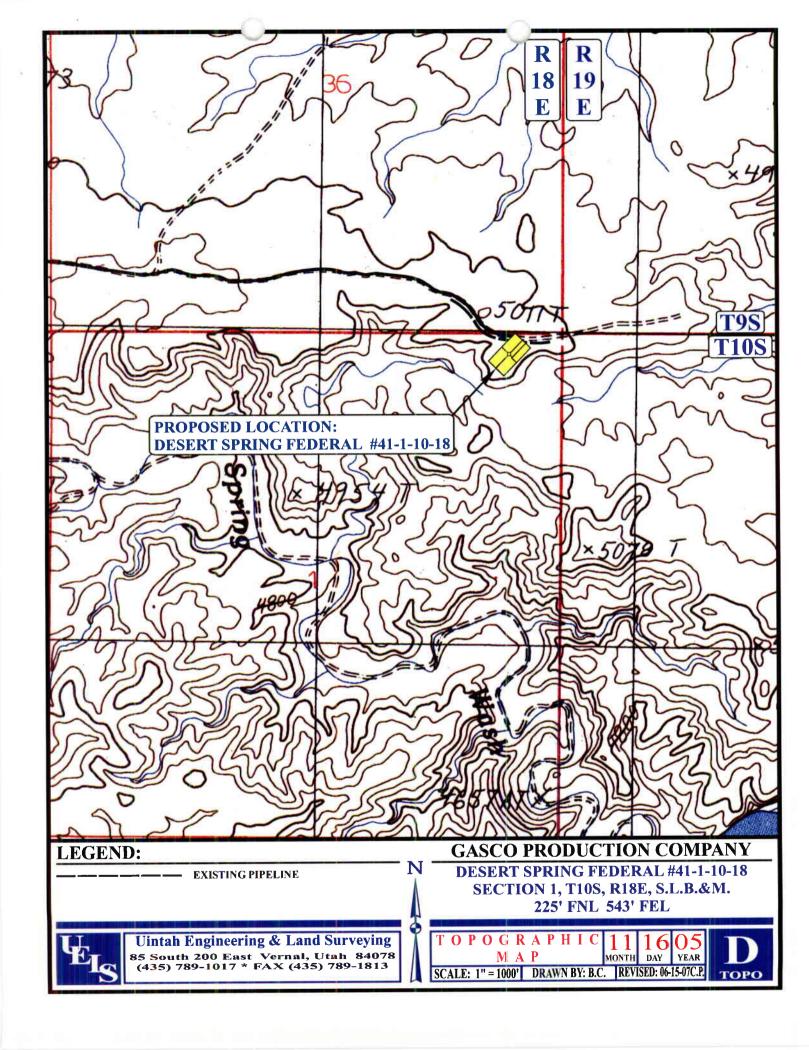


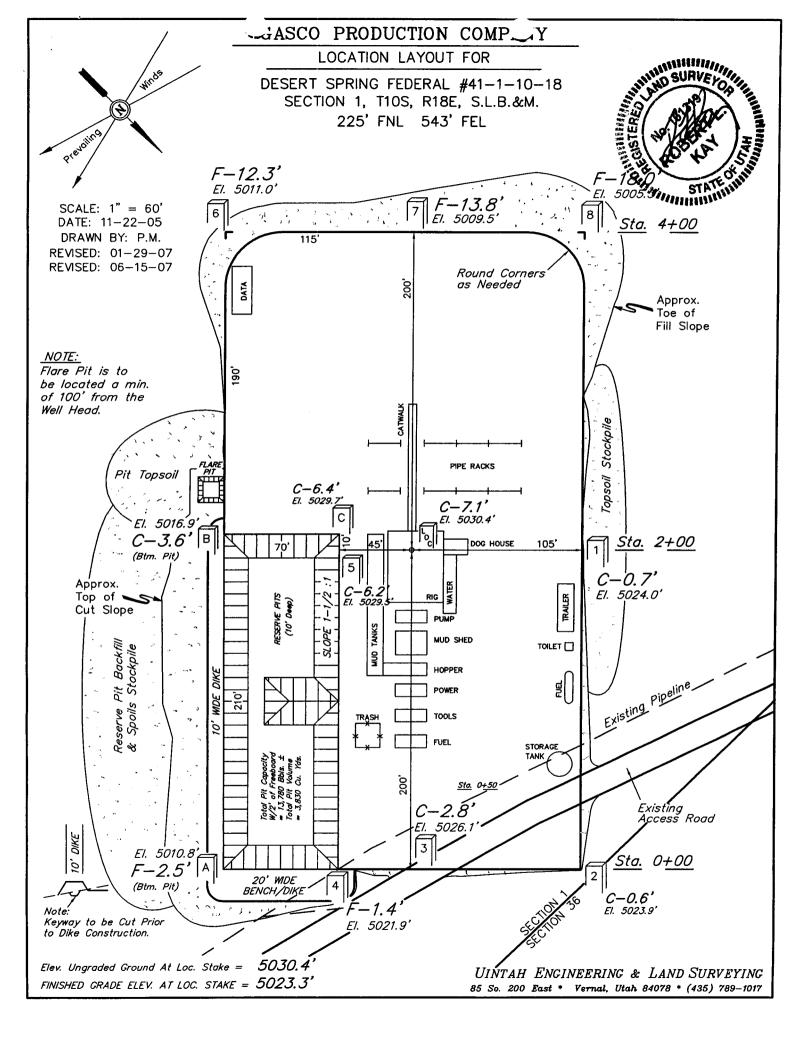


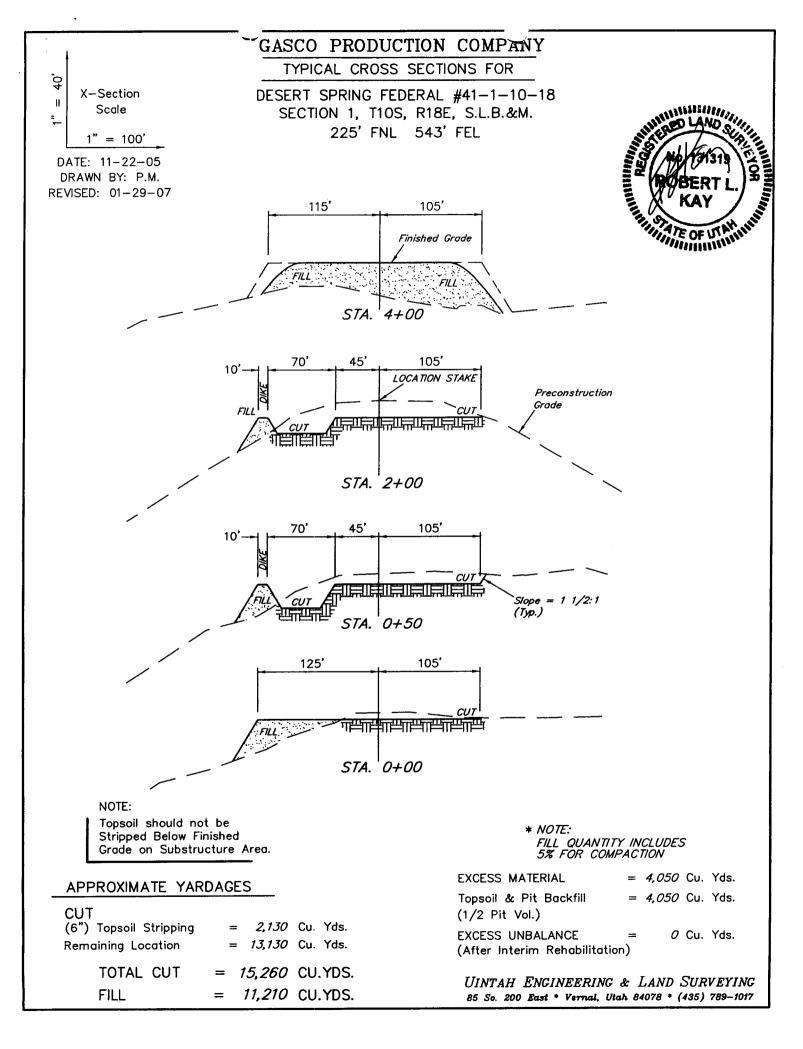














October 28, 2007

Mr. Rick Jeffs
Brek Petroleum, Inc.
c/o Anne McFadden
De Costa Management Corporation
Solte 600 - 1106 Melville Street
Vancouver, B.C. V6E 4A6 CANADA

Via Telefax: 604.664.0672

**RE:** Exception Location Request

Desert Spring Federal 41-1-10-18

Township 10 South, Range 18 East, SLM Section 1: NEWNEW Uintah County, Utah

#### Dear Anne:

Pursuant to Rule 649-3-2 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") hereby requests that you provide written consent to an exception location for the captioned well, as your ownership falls within a 460 foot radius of the proposed well location. Please indicate your acceptance by signing below and returning a copy to me via TELEFAX.

Attached is a copy of the survey plat for the well.

Your prompt response is greatly appreciated.

David R. Smith Land Manager

AGREED TO AND ACCEPTED THIS 30th DAY OF OCTOBER, 2007

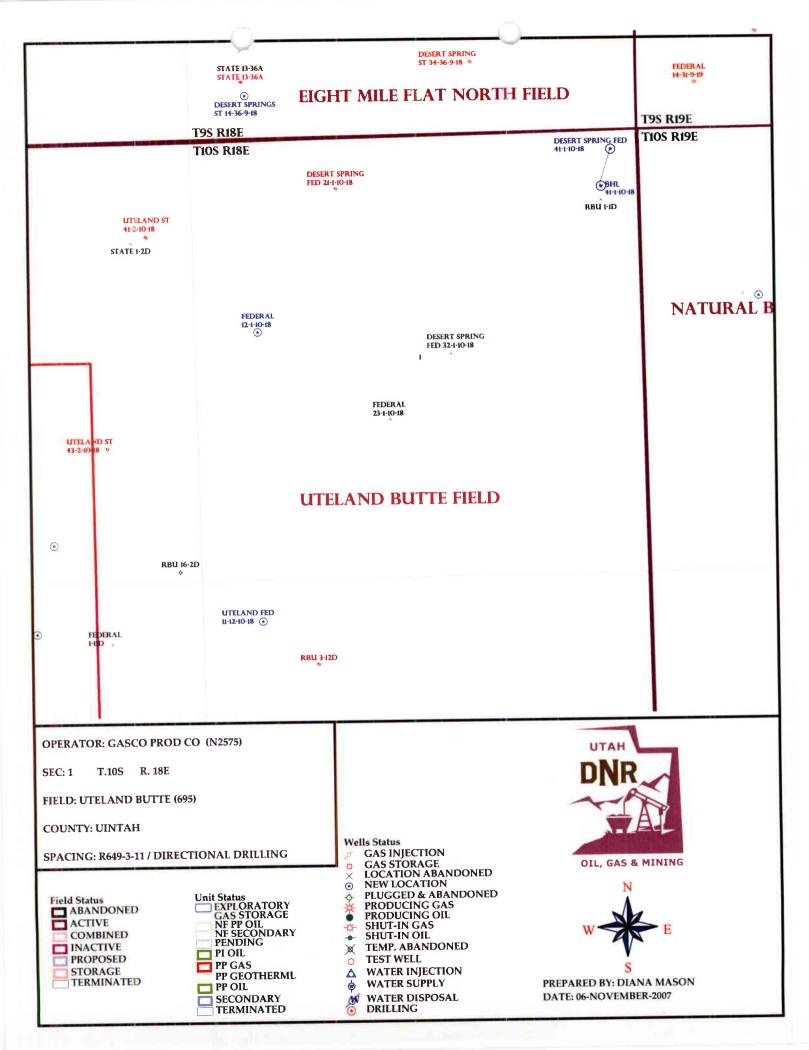
Brek Petroleum, Inc.

GASCO Production Company 1 Herence artire East, Suite 100

Tel: (303) 483-0044 Fax (303) 483-0011 Email: damith@gasecenergy.com

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/06/2007	API NO. ASSIGNED: 43-047-39773
WELL NAME: DESERT SPG FED 41-1-10-18  OPERATOR: GASCO PRODUCTION ( N2575 )  CONTACT: VENESSA LANGMACHER	PHONE NUMBER: 303-857-9999
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
NENE 01 100S 180E	Tech Review Initials Date
SURFACE: 0225 FNL 0543 FEL BOTTOM: 0660 FNL 0660 FEL	Engineering
COUNTY: UINTAH	Geology
LATITUDE: 39.97950 LONGITUDE: -109.8335 UTM SURF EASTINGS: 599603 NORTHINGS: 44259	Surface
FIELD NAME: UTELAND BUTTE ( 695	
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-013820  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: BLKHK COALBED METHANE WELL? NO
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:
✓ Plat	R649-2-3.  Unit:
COMMENTS:	
stipulations:  1 Code of Constant S	inp





# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA Division Director

November 7, 2007

Gasco Production Company 8 Inverness Drive East, Ste. 100 Englewood, CO 80112

Re:

Desert String Federal 41-1-10-18 Well, Surface Location 225' FNL, 543' FEL, NE NE, Sec. 1, T. 10 South, R. 18 East, Bottom Location 660' FNL, 660' FEL, NE NE, Sec. 1, T. 10 South, R. 18 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39773.

Sincerely,

for Gil Hunt

Associate Director

pab Enclosures

cc:

Uintah County Assessor

Bureau of Land Management, Vernal Office



Operator:	Gasco Production Company		
Well Name & Number	Desert	String Federal 41-1-10-18	
API Number:	43-047-	-39773	
Lease:	UTU-0	13820	
Surface Location: <u>NE NE</u>	Sec. 1	T. 10 South	<b>R.</b> 18 East
<b>Bottom Location:</b> NE NE	Sec. 1_	T. <u>10 South</u>	<b>R.</b> 18 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

## 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



## State - Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA Division Director

> November 7, 2007 Corrected November 19, 2007

Gasco Production Company 8 Inverness Drive East, Ste. 100 Englewood, CO 80112

Re:

Desert Spring Federal 41-1-10-18 Well, Surface Location 225' FNL, 543' FEL, NE NE, Sec. 1, T. 10 South, R. 18 East, Bottom Location 660' FNL, 660' FEL, NE NE, Sec. 1, T. 10 South, R. 18 East, Uintah County, Utah

#### Gentlemen:

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Sincerely,
Don Allan

Gil Hunt
Associate Director

pab Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal Office



Operator:	Gasco Production Company			
Well Name & Number	Des	ert Spring Federal 41-	1-10-18	
API Number:	43-0	)47-39773		
Lease:	UTU-013820			
Surface Location: NE NE  Bottom Location: NE NE	Sec. <u>1</u> Sec. <u>1</u>	T. 10 South T. 10 South	<ul><li>R. 18 East</li><li>R. 18 East</li></ul>	

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Form 3169-3 (August 1999)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

FORM APPROVED

BUREAU OF LAND MAN	NAGEMENT		•	UTU-013820	!
APPLICATION FOR PERMIT TO	DRILLO	RREENTER	A Para Standar	6. If Indian, Allotte	e or Tribe Name
		M MEENTER		N/A	nn -
1a. Type of Work: X DRILL R	EENTER				greement, Name and No.
				N/A	
b. Type of Well: Oil Well Y Gas Well Other		Single Zone	Multiple 7am	8. Lease Name and	
			Multiple Zone	9. API Well No.	g Federal #41-1-10-18
2. Name of Operator 303-483-0044		ess Drive East, S	iuite 100	9. API WEII NO.	20172
Gasco Production Company		od, CO 80112		10. Field and Pool.	15115
3. Name of Agent 303-857-9999  Permitco Inc Agent		ounty Road 10		1 1	of Exploratory
Location of Well (Report location clearly and in accordance w.		oton, CO 80621	· · · · · · · · · · · · · · · · · · ·	Riverbend	, or Blk, and Survey or Are
				11. Scc., 1., K., W.	, or bik, and burvey of Ale
L . 4 (AIT AIT) 0001 FAU				Sec. 1, T10S	-R18E
At proposed prod. zone LOI 1 (NE NE) 660' FNI  14. Distance in miles and direction from nearest town or post office		ren .		12. County or Paris	h 13. State
Approximately 25.5 miles southeast of Myton, U				Uintah	UT
15. Distance from proposed*		f Acres in lease	17. Spacing Unit	dedicated to this well	
location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)  660' Rtm Hole	1				
(Also to nearest drig. unit line, if any) 660' Btm. Hole	2	2519.16		40 Acres; NE	NE
18. Distance from proposed location* to nearest well, drilling, completed,	19. Propo	osed Depth	20. BLM/BIA Box	nd No. on file	
applied for, on this lease, ft. None	12	2,455' MD			
	1	,415' TVD		Bond #UT-12	33
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		oximate date work v	vill start*	23. Estimated duras	tion
5030' GL		ASAP	2	3!	5 Days
	24. <i>F</i>	Attachments	CONFIDE	NTIAL-TIG	HIMOLE
The following, completed in accordance with the requirements of C	Onshore Oil a	nd Gas Order No. 1	shall be attached to	this form	
<b>3</b>			,		
1. Well plat certified by a registered surveyor.		4. Bond to co	ver the operations	unless covered by an e	xisting bond on file (see
2. A Drilling Plan.		Item 20 abo	•		
3. A Surface Use Plan (if the location is on National Forest System	ı Lands, i	5. Operator ce	rtification.		
SUPO shall be filed with the appropriate Forest Service Office.		6. Such other s	site specific informa	tion and/or plans as m	ay be required by the
		authorized o	office.		
					· · · · · · · · · · · · · · · · · · ·
25. Signature	Na	me (Printed/Typed)			Date
_ landon Danmacles		Ven	essa Langmac	her	6/25/2007
Authorized Agent for Gasco Production Compar	ıy	;			
Approved by (Signature)	Na	me (Printed/Typed)	4 contract of the contract of		Date
Las Tourse		JERRY KEN	cr <b>KA</b>		1-18-2008
Title Assistant Field Manager	Offi	ice	remains ese	I D VEELVE	
Lands & Mineral Resources	<u> </u>		VERNAL FIE	Lu urrue	
Application approval does not warrant or certify that the applicant conduct operations thereon.	holds legal or	r equitable title to th	nose rights in the sub	ject lease which would	i entitle the applicant to
Conditions of approval, if any, are attached.					

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JAN 28 2008



### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**

170 South 500 East **VERNAL, UT 84078** 

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Location: Company: **Gasco Production Company** 

Lot 1, Sec 1, T10S, R18E

Well No: **Desert Spring Federal 41-1-10-18**  Lease No: UTU-013820

API No: 43-047-39773 Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number	
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470	
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875	
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874	
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368	
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913	
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029	
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404		
NRS/Enviro Scientist:		(435) 781-4476		
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481	
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447		
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545	
		Fax: (435) 781-3420		

### A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

#### **Specific Surface COAs**

- Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APD.
- A Timing Limitation Stipulation is in place for crucial deer and elk winter range for this proposed action. Subsequently, no surface occupancy is allowed from December 01 through April 30.
   Waivers, Exceptions, or Modifications to this limitation may be specifically approved in writing by the AO of the BLM if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- Corners 6 & 8 of the well pad will be rounded as needed to reduce the amount of fill.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt. The following seed mix shall be used:

Тур	lbs./acre			
Western Wheatgrass	Agropyron smithii	4		
Needle and Threadgrass	Stipa comata	4		
Hy-crest Crested wheatgrass	Agropyron cristatum	4		
** Seed should be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.				

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding. The following seed mix shall be used, unless BLM personnel determine that conditions have changed and another mix would be more suitable:

Тур	lbs./acre	
Shadscale	Atriplex confertifolia	3
Gardner saltbush	Atriplex nuttallii	3
Hy-crest Crested wheatgrass	Agropyron cristatum	3
Indian Rice Grass	Oryzopsis hymenoides	3
** Seed should be drilled; but is acre used and work the solids		

Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

#### DOWNHOLE CONDITIONS OF APPROVAL

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.
- A Cement Bond Log (CBL) shall be run from TD to the base of the surface casing.
- The commingling approval can be rescinded at any time the Authorized Officer determines the commingling to be detrimental to the interest of the United States.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned.
   Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily
  drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order
  No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a
  test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall
  be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to
  this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on which
  the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ¼¼, Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be
  reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported
  verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will
  be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of
  Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary

and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to
  the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first.
  All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All
  product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in
  accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval of
  the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of
  operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160- 5 (April 2004)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No 1004-0137
Expires: March 31, 2007

JUNT	IUEN	SUNDRY	NOTICES	AND REI	PORTS	ON V	VELLS
		D4	4L:- F F			_	

UNTIDEN HALSUR	NDRY NOTICES AND RE	EPORTS ON V to drill or to re	WELLS -enter an	5. Lease Serial	No. UTU-013820 lottee, or Tribe Name
aband	loned well. Use Form 3160-3 (	APD) for such p	roposals.	Jo. 17 Ilidian, Al	NA
SUBMIT IN TR	IPLICATE - Other Instructio	ns on reverse .	side.	7. If Unit or C/	A. Agreement Name and/or No.
Type of Well					NA
Oil Well X Gas Well	Other			8. Well Name a	and No.
2. Name of Operator			* ,	Desert Si	oring Federal 41-1-10-18
Gasco Production Company				9. API Well No	
3a. Address		3b. Phone No. tine	lude area code)		43-047-39773
8 Inverness Drive East Ste 1		303-4	83-0044	10. Field and P	ool, or Exploratory Area
<ol> <li>Location of Well (Footage, Sec., T.</li> </ol>					Wildcat
	660' FNL & 660' FWL			11. County or F	Parish, State
]	NE NE of Section 1-T10S-R	.18E			Uintah, Utah
12. CHECK APPROF	PRIATE BOX(S) TO INDICAT	E NATURE OF	NOTICE, REPOI	RT, OR OTHE	ER DATA
TYPE OF SUBMISSION		T	YPE OF ACTION		
X Notice of Intent	Acidize	Deepen	Production ( S	Start/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other
	X Change Plans	Plug and abandon	Temporarily A	Abandon	
Final Abandonment Notice	Convert to Injection	Plug back	Water Dispos	al	
Attach the Bond under which the following completion of the involv	·	e subsurface location e Bond No. on file in a multiple comp	s and measured and tr with BLM/BIA. Requiletion or recompletion	ue vertical depths ired subsequent r in a new interval	of all pertinent markers and zones eports shall be filed within 30 days

Gasco Production Co would like to attempt to complete this well within the Mancos at 14,600' TVD & 14.650' MD

The maximum anticipated mud weight will be 11.5# gallon

**COPY SENT TO OPERATOR** 

The only change to the casing design will be the additional footage of 4-1/2" 15.1#/ft P-110

LT&C casing.

The cement design has been revised to accommodate the additional well depth. Additionally

the cement system to be used has been revised as follows:

523 sacks of 35:65 Poz "G" 11.5 PPG, 3.05 yield

1732 sacks 50:50 Poz "G", 14.1 PPG, Yield =1.28 cu.ft/sk

This cement design should result in a cement top at 2500'. If hole conditions indicate, the number of sacks of cement will be increased to achieve a calculated cement top of 2500'. Final top of

cement will be verified by CBL.

Federal Approval of this Action is Necessary

Gasco will be installing a 3rd ram on the BOP stace	ck
14. I hereby certify that the foregoing is true and correct.	
Name (Printed Typed)	
Beverly Walker	Title Engineering Technician
Signature Description of the state of the st	Date June 27, 2008
m il n THIS SPACE FOR	FEDERAL OR STATE OFFICE USE
Approved by	TitlBRADLEY G. HILL Date 07-09-05
Conditions of approval, if any are attacked. Approval of this notice does not	of warrant of ENVIRONMENTAL MANAGER
certify that the applicant holds legal or equitable title to those rights in the s	
which would entitle the abdicant to conduct operations	s thereon

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the Telepher Elived States any false, fictitious or fraudulent statements or representations or to a section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the Telepher Elived D States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

JUL 07 2008

Form 3160- 5 (April 2004)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137

#### SUNDRY NOTICES AND REPORTS ON WELLS

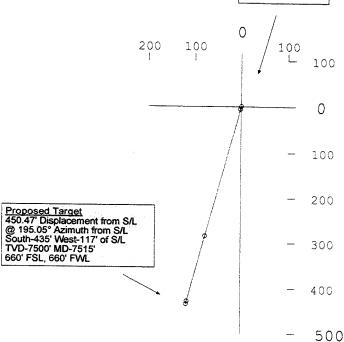
Expires: March 31, 2007 5. Lease Serial No. UTU-013820

Do n abano	6. If Indian, A	6. If Indian, Allottee, or Tribe Name						
	IPLICATE - Other Instru	ctions on reve	rse side.	7. If Unit or C	A. Agreement Name and/or No. NA			
1. Type of Well Oil Well X Gas Well	Other			8. Well Name				
2. Name of Operator				Desert S	pring Federal 41-1-10-18			
Gasco Production Company	•			9. API Well N				
3a. Address	00 F 1 1 G 0011		o. (include area code)		43-047-39773			
8 Inverness Drive East Ste 1 4. Location of Well (Footage, Sec., T.		2 ] 3	03-483-0044	10. Field and I	Pool, or Exploratory Area			
4. Location of wen (Footage, Sec., 1.	, K., M., or survey Description 225' FNL & 543' FI	ar a		11. County or	Wildcat Parish State			
	NE NE of Section 1-T10			1	Uintah, Utah			
12. CHECK APPROI	PRIATE BOX(S) TO INDIC	CATE NATUR	E OF NOTICE, REP	ORT, OR OTH				
TYPE OF SUBMISSION			TYPE OF ACTION	Ŋ				
X Notice of Intent	Acidize	Deepen	Production	( Start/ Resume)	Water Shut-off			
	Altering Casing	Fracture Treat	Reclamatio	on	Well Integrity			
Subsequent Report	Casing Repair	New Construc	etion Recomplet	e	X Other			
	X Change Plans	Plug and aban	don Temporari	ly Abandon	Directional Drilling			
Final Abandonment Notice	Convert to Injection	Plug back	Water Dis	oosal				
testing has been completed. Final determined that the site is ready for Gasco Production Co in We are going to do some finish the remaining direct The surface location will The bottom hole location Please see the attached of the surface of the su	Abandonment Notices shall be a final inspection.  tends to change the scope of the directional drilling actional in the 7 7/8" productional in the same at 225 a will also remain the same	filed only after all e of how we d ng in the surfa duction hole. 'FNL & 543' ne at 660'FN	requirements, including lirectionally drill the ce hole, run surface FEL LL & 660' FWL.  SENT TO OPERATOR 8 • 4 • 2008	reclamation, have the sis well. e casing, and	RECEIVED  JUL 1.8 2008			
				<u>D</u>	V OF OIL, GAS & MINING			
14. I hereby certify that the foregoing is Name (Printed/ Typed)	true and correct.	1						
Chuck Wilson	. \	Title		Drilling Ma	anager			
Signature Chuck	nood W	Date		July 17, 2	2008			
	THIS SPACE FOR FEDERAL OR STATE OFFICE USE							
Approved by		Title	Ulah Divi	sion of	Date Federal Approval Of This			
Conditions of approval, if any are attac certify that the applicant holds legal or	equitable title to those rights in the	not warrant or e subject lease Offic	Oil Gas an	d Mining " S	Action Is Necessary			
which would entitle the app Title 18 U.S.C. Section 1001 AND Ti				infully to make any	department or agency of the United			

Gasco Production Company
Desert Spring Fed 41-1-10-18
Uintah County, Utah Revision #2







Vertical Section 1" =5000'

Plane of Proposal 195.05° Azimuth

600 792	0° 600 M.D. KOP / Start Build Rate Of Build 2°/100'
	Average Angle 3.84°
5099	5000 - 3.84° 5109 M.D. Wasatch
7308 7500	3.84° 7323 M.D. Start Drop 8 0° 7515 M.D. Point Vertical Rate Of Drop 2°/100'
8909	0° 8924 M.D. Mesaverde
10539	10000-0° 10554 M.D. Lower Mesaverde
11339 11589 11709 11809 12049 12149 12269 12399	0° 11354 M.D. Castlegate Sandstone 0° 11624 M.D. Classes 0° 11624 M.D. Classes 0° 1264 M.D. Kenilworth 0° 12164 M.D. Kenilworth 0° 12164 M.D. Kenilworth 0° 12164 M.D. Spring Canyon 0° 12414 M.D. Mancos

5000

0° 14614 M.D. TD

14599 15000-

0



Denver, Colorado 303-463-1919

07-16-2605

Bighorn Directional, Inc.

Gasco Production Company Desert Spring Fed 41-1-10-18 Uintah County, Utah Revision #2



Radius of Curvature Slot Location: -225.00', -543.00' Plane of Vertical Section: 195.05°

Page: 1

	0005		True	RECTANG		RECTANO					
Measured	BORE	HOLE	Vertical	COORDIN		COORDIN		Vertical	CLOSU		Dogleg
Depth Feet	Inc	Direction	Depth	North(-South) Ea			FEL	Section	Distance Di		Severity
reet	Degrees	Degrees	Feet	Feet Fe	et	Feet F	-eet	Feet	Feet [	Deg	Deg/100'
600.00	0.00	0.00	600.00	0.00	0.00	-225.00	-543.00	0.00	0.00	0.00	0.00
KOP / Start Bui											
700.00	2.00	195.05	699.98	-1.69	-0.45	-226.69	-543.45	1.75	1.75	195.05	2.00
792.12	3.84	195.05	791.98	-6.22	-1.67	-231.22	-544.67	6.44	6.44	195.05	2.00
End Build											
1292.12	3.84	195.05	1290.85	-38.57	-10.37	-263.57	-553.37	39.94	39.94	195.05	0.00
1792.12	3.84	195.05	1789.73	-70.92	-19.08	-295.92	-562.08	73.44	73.44	195.05	0.00
2292.12	3.84	195.05	2288.60	-103.28	-27.78	-328.28	-570.78	106.95	106.95	195.05	0.00
2792.12	3.84	195.05	2787.48	-135.63	-36.48	-360.63	-579.48	140.45	140.45	195.05	0.00
3292.12	3.84	195.05	3286.36	-167.98	-45.18	-392.98	-588.18	173.95	173.95	195.05	0.00
3792.12	3.84	195.05	3785.23	-200.34	-53.88	-425.34	-596.88	207.46	207.46	195.05	0.00
4292.12	3.84	195.05	4284.11	-232.69	-62.58	-457.69	-605.58	240.96	240.96	195.05	0.00
4792.12	3.84	195.05	4782.99	-265.04	-71.29	-490.04	-614.29	274.46	274.46	195.05	0.00
5108.85	3.84	195.05	5099.00	-285.54	-76.80	-510.54	-619.80	295.68	295.68	195.05	0.00
Wasatch											
5608.85	3.84	195.05	5597.88	-317.89	-85.50	-542.89	-628.50	329.19	329.19	195.05	0.00
6108.85	3.84	195.05	6096.76	-350.24	-94.20	-575.24	-637.20	362.69	362.69	195.05	0.00
6608.85	3.84	195.05	6595.63	-382.59	-102.90	-607.59	-645.90	396.19	396.19	195.05	0.00
7108.85	3.84	195.05	7094.51	-414.95	-111.60	-639.95	-654.60	429.69	429.69	195.05	0.00
7322.89	3.84	195.05	7308.07	-428.80	-115.33	-653.80	-658.33	444.04	444.04	195.05	0.00
Start Drop											5.55
7422.89	1.84	195.05	7407.94	-433.58	-116.62	-658.58	-659.62	448.99	448.99	195.05	2.00
7515.01	0.00	195.05	7500.05	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	2.00
Point Vertical											
8923.97	0.00	195.05	8909.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Mesaverde											
10553.97	0.00	195.05	10539.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Lower Mesaver	de										

Bighorn Directional, Inc.

Gasco Production Company Desert Spring Fed 41-1-10-18 Uintah County, Utah Revision #2



Radius of Curvature Slot Location: -225.00', -543.00' Plane of Vertical Section: 195.05°

Page: 2

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANG COORDIN North(-South) Ea Feet Fe	ATES			Vertical Section Feet	CLOSU Distance Di Feet		Dogleg Severity Deg/100'
11353.97	0.00	195.05	11339.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Castlegate Sa	ndstone										0.00
11603.97	0.00	195.05	11589.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Desert							555.55	400.47	430.47	133.03	0.00
11723.97	0.00	195.05	11709.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
Grassy						000.01	000.00	430.47	450.47	190.00	0.00
11823.97	0.00	195.05	11809.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	405.05	
Sunnyside						-000.01	-000.00	450.47	450.47	195.05	0.00
12063,97	0.00	195.05	12049.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	405.05	
Kenilworth			,2010.00	400.01	-117.00	-000.01	-000.00	450.47	450.47	195.05	0.00
12163.97	0.00	195.05	12149.00	-435.01	-117.00	660.04	202.00				
Aberdeen	0.00	700.00	12143.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
12283.97	0.00	195.05	12269.00	-435.01	117.00	000.04					
Spring Canyon		135.05	12209.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
12413.97	0.00	195.05	12399.00	405.04	447.00						
Mancos	0.00	195.05	12399.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
14613.97	0.00	195.05	44500.00	105.04							
TD	0.00	195.05	14599.00	-435.01	-117.00	-660.01	-660.00	450.47	450.47	195.05	0.00
10											

Final Station Closure Distance: 450.47' Direction: 195.05°

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM							
Operator:	Gasco Production Co		Operator Account Number:	N 2575			
Address:	8 Inverness Drive East, Ste 100	)					
	city Englewood						
		zip 80112	Phone Number:	(303) 483-0044			

API Number	Well	The state of the s	QQ	= <b>Sec</b> =	Twp	Rng.	County
4304736916	Lamb Trust 14-14-9-	19	swsw	14	9	19	Uintah
Adjon Cods	Gurnarit Entity Nuinter	New Entity Number	TO UP TO THE TOTAL	pud Del		Ent	ky Assignment :
Α	99999	17012		8/3/2008		8	114 108
Comments: Spud	Well MNCS	BHL=	SW	SW	C	UNE	DENTIAL

Well 2		August					
APENumber-	THE THE PARTY OF T	well hange =======	-00	. Jon	Twp=	Bing	County
4304739773	Desert Spring	Federal 41-1-10-18	NENE	1	10	18	Uintah
Action Code	Curent Ma	By Endy	THE LABOR ASSESSMENT	pud Da			by Austgranient
No. 400 CONTROL OF THE PROPERTY OF THE PROPERT	MINDO		1.7.87	Tangan and I year (appear) and a	A Branch of Maries		Bodie nas
A	99999	17013		8/3/200	8	2	3/14/08
Comments: Spud	Well	0.11/ 11-				VIICI	DENTIAL
mi	NCS	BHL-NEN	1E		<u> </u>	VIII I	DENIAL

Well 3						
API Number	And the second s		e e	E Sec Tu	Senie : Co	ant/===
CHE TO AN AND AND AND ADDRESS OF THE PARTY O	The second secon					
Adlen Code	Corner Ently	- Jew to		Spud Date:	Ently Joseph	nment
AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Number	Numbe	District Street		Bibayy	
		A Committee and A Committee an				
	·····					
Comments:					HECE	IAED
					B B BOOM	
			· · · · · · · · · · · · · · · · · · ·		AUG_U	6 2008

#### ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

litte		Date	
Bignature Engineering Technic	( cian	8/6/2008	_
Name (Please Print)	w	ilk	
Beverly Walker	Dľ	v. of oil, gas &	MINING 

(5/2000)

Form 3160- 5 (April 2004)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

·.	Lease Serial No.
	UTU-013820
<u>,</u>	If Indian, Allottee, or Tribe Name
	NT A

avaiiu	Ulled Well. Use Fulli 3100-3 (	APD) IOI SUCII PIC	posais.		INA
	PLICATE - Other Instruction	ns on reverse sid	de.	7. If Unit or CA.	Agreement Name and/or No. NA
1. Type of Well Oil Well X Gas Well	Other			8. Well Name and	
2. Name of Operator				Desert Spri	ing Federal 41-1-10-18
Gasco Production Company				9. API Well No.	
3a. Address		3b. Phone No. (include	de area code)	4	3-047-39773
8 Inverness Drive East Ste 1	00 Englewood, Co 80112	303-48	3-0044	<ol><li>Field and Pool</li></ol>	l, or Exploratory Area
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)				Wildcat
	225' FNL & 543' FEL			11. County or Pari	ish, State
]	NE NE of Section 1-T10S-R	118E		τ	Uintah, Utah
12. CHECK APPROF	PRIATE BOX(S) TO INDICAT	E NATURE OF 1	NOTICE, REPOR	T, OR OTHER	DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
X Notice of Intent	Acidize	Deepen	Production ( St	art/Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		X Other Spud Well
	Change Plans	Plug and abandon	Temporarily A	bandon	
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposa	1	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This well was spud 8/3/2008.

RECEIVED AUG 1 1 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.		
Name (Printed/ Typed)	Title	
Beverly Walker	riue	Engineering Technician
Signature Signature	Date	August 6, 2008
THIS SPACE FOR FEDE	RAL OR STA	ATE OFFICE USE
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warran certify that the applicant holds legal or equitable title to those rights in the subject lewhich would entitle the applicant to conduct operations there	ase Office	
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime	• •	



## **DAILY DRILLING REPORT**

CONFIDENTIAL TIOS RIBE 5-01 43-047-39773 DESERT SPG-FED

RKB: 25.6'

**AFE # 60104** 

GPS 39N 58 109W 50

Well: D	SF 41-1-10	)-18	Per.Depth	14,600	Per.Depth	1,600	DATE	8/10/08	DA	YS:	RM 2
	: Operation					G UP - WA	IT ON DAY	LIGHT	•		
Depth:		Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:			
DMC:		\$0	TMC:		\$0		TDC:	\$23,160	CWC:	\$49	,565
Contracto	r: NA	BORS 99	<u> </u>	Mud Co:	M-I Drlg. Flui	ds	TANGIB	LE COST	INTAN	IGIBLE CO	ST
MW:		#1		Bit #:			Conductor:	\$ -	Loc,Cost:	\$	_
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:		#2		Туре:			Int. Csg:	\$ -	Day Rate:Movin	g \$	20,650
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	-
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	_
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	
мвт		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	-
PH.:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	-
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	\$	-
Chlor:		SPR #1 :		FPH:			Heater:	\$ -	Title/Abstract	\$	-
Ca:	<u> </u>	SPR #2 :		WOB:			Pumping L/T:	\$ -	Surface damage		-
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Welding	\$	1,010
Ti	ime Break D	own:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	1,500
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$ -	Insurance	\$	-
6:00	20:00	14	SET SUBS - PIN	DERRICK TO	GETHER & SET (	ON FLOOR - CH	ANGE BRIDAL LI	NES - SET IN	Misc. / Labor:	\$	_
	ļ		WATER TANKS	& VFD HOUSE	E - SET & RIG UP	CAMPS - CUT (	CONDUCTOR - SI	ET PIPE TUBS	Csg. Crew:	\$	-
			HAUL MISC. LO	ADS IN & UNL	OAD - STRING U	P BLOCKS - LU	G IN ALL ELEC	START 1 GEN.	Daily Total:	\$	23,160
20:00	6:00	10	WAIT ON DAYLI	GHT					Cum. Wtr:	\$	
									Cum. Fuel	\$	
									Cum. Bits:	\$	-
	ļ							·····	<del>                                     </del>	ВНА	
									ļ		
			ļ			REC	EIVED				
	<u> </u>						CEIVED				
	ļ			······································		AUG	1 1 2008				
	1									<del> </del>	
						DIV. OF OIL	<del>., GAS &amp; MININ</del>	<del>IG</del>			
			<u> </u>							<u>-</u>	
<u> </u>	ļ										
	<b> </b>								TOTAL BUA		0.00
	<del> </del>		-						TOTAL BHA	-	0.00
		24.00			<u> </u>		BOILER	0	Survey Survey	_	
P/U	<u> </u>   K#		LITH:			<del></del>	Centrifuge:	•	BKG GAS	I	,
S/O			FLARE:				Gas Buster:		CONN GAS		
ROT.	K#		LAST CSG.RA	N·	16"	SET @	60'		PEAK GAS		
FUEL	Used:	-	On Hand:	14.	10	Co.Man	J.D.ALLEN		TRIP GAS	<del></del>	
BIT#		ICS	OCS OCS	DC	LOC	B/S	G	ODC	RP RP		
COND	ITION										



**DAILY DRILLING REPORT** 

**AFE # 60104** 

CONFIDENTIAL TIOS RIBE S-01 43-047-39773

RKB: 25.6'

GPS 39N 58 109W 50 DESERT SPG FED

			RKB: 25.6				T	DESERT	376 1 P	~	
Well: DS	SF 41-1-10	)-18	Per.Depth	14,600	Per.Depth	14,600	DATE	8/12/08	D/	YS:	RM 3
Current	: Operatio	ns:				RIGGING (	JP FLOW L	INE			
Depth:	60'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:			
DMC:		60	TMC:		\$0		TDC:	\$63,746	CWC:	\$199	,146
Contracto	r: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIB	LE COST	INTAI	GIBLE CO	ST
MW:		#1		Bit #:			Conductor:	\$ -	Loc,Cost:	\$	-
VIS:		SPM:		Size:			Surf. Csg:	\$ -	Rig Move:	\$	
PV/YP:		#2		Туре:			Int. Csg:	\$ -	Day Rate:Movin	g \$	20,650
Gel:		SPM:		MFG:			Prod Csg:	\$ -	Rental Tools:	\$	5,500
WL:		GPM:		S/N:			Float Equp:	\$ -	Trucking:	\$	1,311
Cake:		Press:		Jets:			Well Head:	\$ -	Water:	\$	
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:	\$	31,845
мвт		AV DP:		Depth In:			Packers:	\$ -	Mud Logger:	\$	
PH:		JetVel:		FTG:			Tanks:	\$ -	Logging:	\$	
Pf/Mf:		ECD:		Hrs:			Separator:	\$ <u>-</u>	Cement:	\$	
Chlor:		SPR #1 :		FPH:			Heater:	\$ -	Title/Abstract	\$	-
Ca:		SPR #2 :		WOB:			Pumping L/T:	\$ <u>-</u>	Surface damag		-
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Welding	\$	-
Ti	me Break D	own:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:	\$	1,500
START	END	TIME		Total	Rot. Hrs:		Daily Total:	\$ -	Insurance	\$	_
6:00	6:00	24	RAISE DERRICH	( & SUB - P/U	TOP DRIVE - SET	TB.O.P.E. UNDE	R SUB - SET IN F	PIPE SKATE	Misc. / Labor:	\$	2,940
			SLIP LINE OFF	DRUM RIG UP	FLOOR - WELDI	NG ON MUD TA	NKS & IN PUMP	HOUSE -	Csg. Crew:	\$	-
			REBUILD VALV	ES IN PUMP H	OUSE - RIG UP F	PIT PUMP - FILL	TANKS & CHECK	FOR LEAKS	Daily Total:	\$	63,746
			P/U FLOW LINE	STAB INTO S	HAKERS				Cum. Wtr:	\$	4,255
									Cum. Fuel	\$	31,845
									Cum. Bits:	\$	-
										ВНА	
									ļļ		
							EN/ED				
						HEU	EIVED				
						AUG :	2 2008				
						DIV OF OIL	GAS & MINING				
									TOTAL BHA	=	0.00
									Survey		
		24.00					BOILER	0	Survey		
P/U	K#		LITH:				Centrifuge:		BKG GAS		
S/O	K#	<u> </u>	FLARE:				Gas Buster:		CONN GAS		
ROT.	K#	!	LAST CSG.RA	N:	16"	SET @	60'		PEAK GAS		
FUEL	Used:		On Hand:			Co.Man	J.D.ALLEN	0-0	TRIP GAS		
BIT#		ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	IIION		<u> </u>	l		<u> </u>	l				



## **DAILY DRILLING REPORT**

CONFIDENTIAL TIUS RIBE SOI 43-049-39793 DEGERT SPG FED GPS 39N 58 109W 50

**AFE # 60104** 

			RKB: 25.6'					0/40/00		4375	DM 4
	SF 41-1-10		Per.Depth	14,600	Per.Depth	14,600	DATE	8/13/08		AYS:	RM 4
Current	: Operatio	ns:		PSI TEST	SURFACE			& X-O TO	SPUD WI	ELL	
Depth:	60'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:			
DMC:		30	TMC:		\$0		TDC:	\$86,449	CWC:	\$28	5,595
Contractor	r: NA	BORS 99		Mud Co:	M-l Drlg. Flui	ds	TANGIE	BLE COST	INTA	NGIBLE C	OST
MW:		#1		Bit #:	11		Conductor:	\$ -	Loc,Cost:	\$	
VIS:		SPM:		Size:	12 1/4		Surf. Csg:	\$ -	Rig Move:	\$	-
PV/YP:		#2		Туре:	66HG		Int. Csg:	\$	Day Rate:Movi		•
Gel:		SPM:		MFG:	OTS		Prod Csg:	\$ -	Rental Tools:	\$	
WL:		GPM:		S/N:	3485		Float Equp:	\$ 3,640	Trucking:		-
Cake:		Press:		Jets:	6/20's		Well Head:	<u> </u>	Water:		·
Solids:		AV DC:		TD Out:			TBG/Rods:	\$ -	Fuel:		
мвт		AV DP:		Depth In:	85'		Packers:	\$ -	Motors & Dir:		8,870
PH:		JetVel:		FTG:			Tanks:	<u> </u>	Logging:	9	
Pf/Mf:		ECD:		Hrs:			Separator:	\$ -	Cement:	9	
Chlor:		SPR #1 :		FPH:			Heater:	\$ -	Title/Abstract	9	
Ca:		SPR #2 :		WOB:			Pumping L/T:	<u> </u>	Surface damag		,
Dapp ppb:		Btm.Up:		R-RPM:			Prime Mover:	\$ -	Welding	9	
Ti	me Break D	own:	Total D.T.	M-RPM:			Misc:	<u> </u>	Consultant:	9	
START	END	TIME	11.5	Total	Rot. Hrs:		Daily Total:	\$ 3,640	Insurance	9	-
6:00	8:00	2	RIGGING UP						Misc. / Labor:	\$	2,565
8:00	15:30	7.5	NIPPLE UP CON	DUCTOR & F	LOW LINE				Csg. Crew:	\$	
15:30	17:00	1.5	PSI TEST SURF	ACE EQUIPME	NT - FOUND A H	OLE IN KELLY I	HOSE		Daily Total:		82,809
17:00	4:30	11.5	DOWN TIME - W	AIT ON KELL	Y HOSE - P/U DIR	. TOOLS			Cum. Wtr:		11,500
4:30	6:00	12:00	PSI TEST SURF	ACE EQUIPME	NT - FIX LEAKS	IN PUMP HOUSI	<b>E</b>		Cum. Fuel		63,474
									Cum. Bits:		-
										BHA	
									BIT & MOTOR	1	29.00
									SHOCK SUB	1	8.57
									MULE SHOE	1	2.79
						RECE	EIVED-		MONEL	1	30.73
									IBS	1	5.91
		<del>,,,,,,</del>				<u> </u>	3 2008		8" D.C.	1	28.15
									IBS	1	6.13
						DIV. OF OIL, G	AS & MINING		8" D.C.	2	59.56
									X-O & 6" D.C.	15	456.35
									TOTAL BHA	A =	627.19
									Survey		
		24.00					BOILER	0	Survey		
P/U	K#		LITH:				Centrifuge:		BKG GAS		:
s/O	K#	:	FLARE:				Gas Buster:		CONN GAS	<u> </u>	
ROT.	K#		LAST CSG.RA	N:	16"	SET @	60'		PEAK GAS		
FUEL	Used:		On Hand:		9138	Co.Man	J.D.ALLEN		TRIP GAS		
BIT #		ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	IIIUN	<u> </u>	<u> </u>	Ļ	l	J	L	l			



**DAILY DRILLING REPORT** 

**AFE # 60104** 

CONFIDENTIAL TIOS RIBE SOI 43-049-39993 DESERT SPG FED

RKB: 25.6'

GPS 39N 58 109W 50

Mall. De	SF 41-1-10	. 40	Per.Depth	14,600	Per.Depth	14,600	DATE	8/13/08		AYS:	DRLG 1
	: Operatio		rer.Deptii	14,000	rer.beptii		DOWN TIM			A10.	
		Prog:	1125	D Hrs:	15 1/2	AV ROP:	72.6	Formation:	<del>,</del>		
Depth: DMC:		60 60	TMC:	D HIS.	\$0	AV NOF.	TDC:	\$44.670	cwc:	\$3	23,275
		BORS 99	TING.	Mud Co:	M-I Drlg. Flui	de		BLE COST		ANGIBLE (	
Contractor	W		00.000	****	1	us	Conductor:	\$ -	Loc,Cost:	THOIDEL .	\$ -
MW: VIS:	A	#1 PZ-10 3.4 SPM:	88 GPS 90	Bit #: Size:	12 1/4		Surf. Csg:	\$ -	Rig Move:		\$ -
					66HG		Int. Csg:	\$ -	Day Rate:Mov	ina	\$ 24,000
PV/YP:	E	#2 PZ-10 3.4 SPM:	90 90	Type: MFG:	OTS		Prod Csg:	\$ -	Rental Tools:	iiig	\$ 5,500
Gel:	R		650	S/N:	3485		Float Equp:		Trucking:		\$ -
WL:	K	GPM:	450		6/20's		Well Head:	\$ -	Water:		\$
Cake:		Press:	430	Jets: TD Out:	IN HOLE		TBG/Rods:	\$ -	Fuel:		\$
Solids:		AV DC:			85'		Packers:	\$ -	Motors & Dir:		\$ 7,970
MBT		AV DP:		Depth In:	1125			\$ -			\$ 7,970
PH :		JetVel:		FTG: 	15.5		Tanks:	<del>-</del> \$ -	Logging:		\$ -
Pf/Mf:		ECD:		Hrs:	72.6		Separator:	\$ -	Cement:		\$ -
Chlor:		SPR #1 :		FPH:			Heater:		Title/Abstract		\$ -
Ca:		SPR #2 :		WOB:	5/25 30/60		Pumping L/T:	\$ - \$ -	Surface dama	ges	\$ <u>-</u> \$ -
Dapp ppb:		Btm.Up:	T	R-RPM:			Prime Mover:		Welding		\$ 3,000
	me Break D		Total D.T.	M-RPM:	50/70	45.5	Misc:		Consultant:		\$ 3,000 \$ -
START	END	TIME	R/U 11.5 DRLG 4.5		Rot. Hrs:	15.5	Daily Total:	\$ -	Insurance		
6:00	08:30	2.5			CATE X/O FOR T		COLLARS		Misc. / Labor:		\$ 4,200 ©
08:30	14:30	6			F/ 85' TO 400' R				Csg. Crew:		\$ - ¢ 44.670
14:30	15:00	.5			ANGE OUT TRAI	ISDUCER OK			Daily Total:		\$ 44,670
15:00	15:30	.5	DRILL F/400' TO						Cum. Wtr:	<del></del>	\$ 11,500
15:30	16:30	1			SE RAIL TO TOP				Cum. Fuel		\$ 63,474
16:30	17:00	0.5	CONTINUE CHA	NGE OUT HY	DRAULIC VALE C	N TOP DRIVE T	O KICK OUT OK		Cum. Bits:		\$ -
17:00	02:00	9			ORILL F/650' TO			18', SLIDE	!	BHA	
	<u> </u>		<del></del>		Y DRILL F/840' TO				BIT & MOTOR		29.00
02:00	06:00	4			TOR TO TRAC				SHOCK SUB	1	8.57
			UP. CALL OUT	ELECTRICI	AN & POOH DU	E TO TIGHT H	OLE. WAITING	ON ELECTRIC	MULE SHOE	1	2.79
-R	ECEIV	ED —							MONEL		30.73
	110 4	000							IBS	1	5.91
A	UG 1 4 2	008	· · · · · · · · · · · · · · · · · · ·	Depth	Feet To Go		Depth	Feet To Go	8" D.C.	1	28.15
2016	A.I		Wasatch	5099'		Sunnyside	11809'	-6760	IBS	1	6.13
DIV. OF	OIL, GAS	MINING	Mesaverde	8909	-3860	Kenilworth	12049'	-7000	8" D.C.	2	59.56
			Lower Measve	10539'	-5490	Aberdeen	12149'	-7100	X-O & 6" D.C.	15	456.35
			Castlegate	11339'	-6290	Spring Canyo	12269'	-7220	TOTAL BH	A =	627.19
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey		
		24.00	Grassy	11709'	-6660	TD	14599'		Survey		
P/U	96 K#	:	LITH:				Centrifuge:		BKG GAS		
S/O	88 K#	:	FLARE:				Gas Buster:		CONN GAS	<u> </u>	
ROT.	92 K#		LAST CSG.RA	N:	16"	SET @	85'		PEAK GAS		
FUEL	Used:	987	On Hand:		6744	Co.Man	JIM WEIR	000	TRIP GAS	1	
BIT#		ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	IION		L	l	L	<u> </u>	L	l	1	L	



#### **DAILY DRILLING REPORT**

AFE # 60104

CONFIDENTIAL
TIOS RIBE S-01
43-047-39773
DESERT SPG FED
GPS 39N 58 109W 50

Well: DS	SF 41-1-10	)-18	Per.Depth	14,600	Per.Depth	14,600	DATE		C	DAYS:	DRLG 2
Current	: Operatio	ns:			DRILL	NG & SLIL	DE DRILLII	VG AHEAD			W-4
Depth:	2454'	Prog:	1159	D Hrs:	13 1/2	AV ROP:	85.9	Formation:		UINTA	ı
DMC:	<b>\$</b> 5,	250	TMC:		\$5,250		TDC:	\$99,791	CWC:	\$4	23,066
Contractor	r: NA	BORS 99		Mud Co:	M-l Drlg. Flu	ds	TANGI	BLE COST	INT	ANGIBLE (	соѕт
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	1		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	28	SPM:	100	Size:	12 1/4		Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	1/1	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	66HG		Int. Csg:	\$ -	Day Rate:Mov	ring	\$ 24,000
Gel:		SPM:	100	MFG:	OTS		Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:		GPM:	700	S/N:	3485		Float Equp:	\$	Trucking:		\$ -
Cake:		Press:	1020	Jets:	6/20's		Well Head:	\$ -	Water:		\$
Solids:	0.5	AV DC:	38	TD Out:	IN HOLE		TBG/Rods:	\$ -	Fuel:		\$
MBT		AV DP:	25	Depth In:	85'		Packers:	\$ -	Motors & Dir:		\$ 16,691
PH :	7.5	JetVel:	122	FTG:	2369		Tanks:	\$ -	Reclaim Pits:		\$ 9,000
Pf/Mf:	NC/1.60	ECD:	8.52	Hrs:	29		Separator:	\$ -	Drig Overhea	d:	\$ 12,000
Chlor:	16000	SPR #1 :		FPH:	81.7		Heater:	\$ -	Drilling Mud:		\$ 5,250
Ca:	760	SPR #2 :		WOB:	15/30		Pumping L/T:	\$ -	Surface Dama	iges:	\$ 6,000
Dapp ppb:		Btm.Up:	13.6	R-RPM:	50		Prime Mover:	\$ -	Title/Abstract	s:	\$ 7,500
Ti	me Break D	own:	Total D.T.	M-RPM:	119		Misc:	\$ -	Consultant:		\$ 3,000
START	END	TIME	R/U 11.5 DRLG 15	Total	Rot. Hrs:	29.0	Daily Total:	<b>\$</b> -	Insurance:		\$ 10,000
6:00	16:30	10.5	WAIT ON ELEC	CTRICIAN &	TROUBLE SHO	OT BLOWER I	MOTOR: FOUN	ID SHORT IN	Misc. / Labor:		\$ 850
			RELAY SWITC	H. RIH TO B	ОТТОМ				Csg. Crew:		\$ -
16:30	03:30	11	SLIDE DRILL FI	1,295' TO 1,32	65', ROTARY DRI	LL F/1,325' TO 1	,391', SLIDE DR	ILL F/1,325' TO	Daily Total	:	\$ 99,791
			1,425', ROPTAT	E F/1,425' TO	1,579', SLIDE F/1	,579' TO 1,602',	ROTATE F/1,602	' TO 1,770',	Cum. Wtr:		\$ 11,500
			SLIDE F/1,770' 1	O 1,787', ROT	ATE F/1,770' TO	2,246', SLIDE F/2	2,246' TO 2,250',	ROTATE F/	Cum. Fuel		\$ 63,474
			2,258' TO 2,300'						Cum. Bits:		\$ -
03:30	04:00	0.5	SERVICE RIG &	TROUBLE SH	OOT INCREASE	IN PUMP PRESS	SURE. CLEAN TI	RANSDUCER		ВНА	
04:00	06:00	2	ROTATE F/2,300	)' TO 2,437', SI	IDE F/2,437' TO	2,454' AVG. RC	OP FOR SLIDING	ROTATING	BIT & MOTOR	0.17	29.00
			WAS 85.9'						SHOCK SUB	1	8.57
			NOTE: SURVE	Y AFTER EA	CH CONNECT	ON			MULE SHOE	1	2.79
	becer	VED-	1,245' = 4.9 AZ 204	4.80, 1341'=4.6 <i>/</i>	AZ 216.10, 1433'=3.	30 AZ 216.00, 1529	9'=2.89 A 215.40, 1	624=3.70 AZ 182.70	MONEL	1	30.73
346	RECE	VED	1720=4.10 AZ 177.	40, 1815=4.20 A	Z 189, 1911=4.4 AZ	. 186, 2003=4.6 AZ	184, 2101=4.4 AZ	183, 2196=4.1AZ17	IBS	1	5.91
	<b>AUG 15</b>	2008		Depth	Feet To Go		Depth	Feet To Go	8" D.C.	1	28.15
			Wasatch	5099'		Sunnyside	11809'	-6760	IBS	1	6.13
DIV. (	FOIL GAS	& MINING	Mesaverde	8909	-3860	Kenilworth	12049'	-7000	8" D.C.	2	59.56
			Lower Measve	10539'	-5490	Aberdeen	12149'	-7100	X-O & 6" D.C.	15	456.35
			Castlegate	11339'	-6290	Spring Canyo	ı 12269'	-7220	TOTAL BH	A =	627.19
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	2289	4.1 AZ 179
		24.00	Grassy	11709'	-6660	TD	14599'		Survey		
P/U	110 K#		LITH:				Centrifuge:		BKG GAS		0
S/O	91 K#		FLARE:		www		Gas Buster:		CONN GAS	<u> </u>	0
ROT.	100 K#		LAST CSG.RA	N:	16"	SET @	85'		PEAK GAS		0
FUEL	Used:	642	On Hand:		6132	Co.Man	JIM WEIR	000	TRIP GAS		0
BIT #		ICS	ocs	DC	LOC	B/S	G	ODC	RP		
LCUNDI	TION			L				[	<u> </u>		



## **DAILY DRILLING REPORT**

**AFE # 60104** 

CONFIDENTIAL TIOS RIBE 5-01 43-049-39793 GPS 39N 58 TOSW 50T SPG FFD

	/ell: DSF 41-1-10-18 Per Depth 14.600 Per Depth 14.600 DATE 8/18/08										
	SF 41-1-10		Per.Depth	14,600	Per.Depth	14,600	DATE	8/18/08	DAYS SINCI	E SPUD:	5
Current	: Operatio						ING BOP				
Depth:	3380'	Prog:		D Hrs:		AV ROP:	<u> </u>	Formation:		UINTA	
DMC:	\$2,	600	TMC:	· · · · · · · · · · · · · · · · · · ·	\$11,187		TDC:	\$92,800	CWC:	\$6	37,138
Contractor	r: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIB	LE COST	INT	ANGIBLE	COST
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	4		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	28	SPM:	100	Size:	7/7/2008		Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	1/1	#2 PZ-10 3.4	88 GPS	Туре:			Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,000
Gel:		SPM:	100	MFG:			Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:		GPM:	700						Trucking:		\$ -
Cake:		Press:	1250	1250 Jets: Well Head: \$ 17,700 W							\$
Solids:	0.5	AV DC:	169						Fuel:		\$
мвт		AV DP:	103								\$ 5,200
PH:	7.7	JetVel:	122							·	\$
Pf/Mf:	NC/1.25	ECD:	8.51	Hrs:			Separator:	\$ -	Bits:		\$ 10,000
Chlor:	16000	SPR #1 :	-	FPH:			Heater:	\$ -	Drilling Mud:	<u>.</u>	\$ 2,600
Ca:	720	SPR #2 :		WOB:			Pumping L/T:	\$ -	Welder:		\$ 800
Dapp ppb:		Btm.Up:	31	R-RPM:			Prime Mover:	\$ -	Casing Crew		\$
	me Break D	own:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 15	Total	Rot. Hrs:	48.5	Daily Total:	\$ 17,700	Cement :		\$ 40,300
6:00	08:00	2	WAIT ON CEME	NT TO SEE IF	LEVEL DROPS.				Misc. / Labor:		\$ 2,900
08:00	09:00	1	CEMENT DROP	PED DOWN 75	5'. DO TOP JOB. F	PUMP 10 BBL CE	EMENT				\$ -
09:00	09:30	.5	RIG DOWN SCH						Daily Total:		\$ 92,800
09:30	12:00	2.5	N/D FLOW LINE &	CONDUCTOR.	CUT OFF 8-5/8" CS	G, WELD ON 11"1	0M X 8-5/8" WELL	. HEAD	Cum. Wtr:		\$ 11,500
12:00	15:00	3			N, SET CHOKE H			_	Cum. Fuel		\$ 63,474
15:00	18:00	3			S ON WELL HEAD				Cum. Bits:		\$ 38,000
			······································		THEM. STUDS TO S					вна	
18:00	03:00	9			S & CHOKE HOUS		HEAD INK TO SE	ND CORRECT	BIT & MOTOR	0.17	29.00
10.00	00.00	<u> </u>			JDS WERE 8-1/2" L				SHOCK SUB	1	8.57
					D INK PUTTING WE			_	MULE SHOE	1	2.79
03:00	06:00	3			FILL W/WATER. T				MONEL	1	30.73
					T GET TEST ON LO					1	5.91
<del>                                     </del>	RECE	<b>VED</b>	1201 10 0,000 111	511. 000LB 11 <u>0</u>					8" D.C.	1	28.15
	AUG 18	2000	Wasatch	5099'		Sunnyside	11809'	-6760	IBS	1	6.13
	AUG 1 0	2000	Mesaverde	8909	-3860	Kenilworth	12049'	-7000	8" D.C.	2	59.56
DIV (	EOIL CA	& MINING			-5490	Aberdeen	12149'	-7100	X-O & 6" D.C.	15	456.35
DIV.	AL OIL GA	D & IVIIIVIIVE	Castlegate	11339'	-6290	Spring Canyo		-7220	TOTAL BH		627.19
<b>-</b>			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	2863	4.2 AZ 181.6
		24.00	Grassy	11709'	-6660	TD	14599'	1000	Survey	2960	4.2 AZ 183
D/II	IK#	<u> </u>					Centrifuge:		BKG GAS		0
P/U		<u></u>	LITH: FLARE:				Gas Buster:		CONN GAS		0
S/O	K#			M.	0 FIOT	CET @	3365		PEAK GAS		0
ROT.	K#		LAST CSG.RA		8-5/8"	SET @ Co.Man	JIM WEIR		TRIP GAS		0
FUEL BIT#	Used:	410 ICS	On Hand: OCS	DC	3016 LOC	B/S	G G	ODC	RP RP	F	<u> </u>
COND		† · · · · ·	T								



## **DAILY DRILLING REPORT**

AFE # 60104

CONFIDENTIAL
TICS RIBE 5-01
43-049-39793
DESERTSP& FED
GPS 39N 58 109W 50

Well: DS	F 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	8/19/08	DAYS SINCE	SPUD:	6
	Operatio					RIH TO DR	ILL OUT	CMT			
Depth:	<u>-</u>	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:		UINTA	1
DMC:		100	TMC:		\$11,587		TDC:	\$247,600	CWC:	\$8	384,738
Contractor	: NA	BORS 99		Mud Co:	M-l Drlg. Flui	ds	TANGII	BLE COST	INTA	NGIBLE	соѕт
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	4		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	29	SPM:	100	Size:	7/7/2008		Surf. Csg:	\$ -	Rig Move:		\$ 185,000
PV/YP:	1/1	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS-1655CDU		Int. Csg:	\$ -	Day Rate:Mov	ng	\$ 24,000
Gel:		SPM:	100	MFG:	ULTERRA		Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:		GPM:	700	S/N:	5070		Float Equp:	\$	Trucking:		\$ -
Cake:		Press:	1250	Jets:	3X14, 2X15		Well Head:	\$ 17,700	Water:		\$
Solids:	0.5	AV DC:	169	TD Out:			TBG/Rods:	\$ -	Fuel:		\$
мвт		AV DP:	103	Depth In:	3380		Packers:	\$ -	Motors & Dir:		\$ 5,200
PH :	7.7	JetVel:	122	FTG:			Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/1.25	ECD:	8.51	Hrs:	·		Separator:	\$ -	Bits:		\$
Chlor:	16000	SPR #1 :		FPH:			Heater:	\$ -	Drilling Mud:		\$ 400
Ca:	720	SPR #2 :		wов:			Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:		Btm.Up:	31	R-RPM:			Prime Mover:	\$ -	Casing Crew		\$
Ti	me Break D	own:	Total D.T.	M-RPM:			Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	48.5	Daily Total:	\$ 17,700	Cement :		\$ 2,400
6:00	08:00	2	TEST BLINDS R	AMS, TIW, LW	CV, TO 250 LOW	10,000 HIGH OK	ζ,		Misc. / Labor:		\$ 5,900
08:00	11:00	3	CONTINUE N/U								\$ -
11:00	01:00	14						E @ 23:00 HRS	Daily Total:		\$ 229,900
			INSTALL RAM	RUBBERS 8	R TEST LOWER	RAMS TO 250	LOW & 10,00	0 HIGH OK	Cum. Wtr:		\$ 11,500
01:00	01:30	.5	PULL TEST PLU	G & SET WEA	R BUSHING OK				Cum. Fuel		\$ 63,474
01:30	03:30	2			OLS & RIH W/BHA				Cum. Bits:		\$ 38,000
03:30	06:00	2.5	RIH W/ DRILL PI	IPE TO 3,153'	BREAK CIRC. &	START REAMING	G & WASHING I DE VED	DOWN		BHA	00.44
						! 11	JLIVLL	3	BIT & MOTOR	0.17	30.14
						AUG	1 9 2008		IBS	7-3/8	5.73
<u> </u>								·····	MULE SHOE	6 3/8	2.82
						DIV. OF OIL	., GAS & MIN	ING	MONEL	6.5	30.35
ļ									IBS	7-3/8	5.98 547.29
							440001	6760	6-1/4" DC	18	547.29
	<u> </u>		Wasatch	5099'	0000	Sunnyside	11809'	-6760 -7000			
			Mesaverde	8909	-3860	Kenilworth	12049'				
<u> </u>			Lower Measve		-5490 -6290	Aberdeen Spring Canyo	12149'	-7100 -7220	TOTAL BH	Δ =	547.29
			Castlegate	11339' 11589'	-6540	Mancos	12399'	-7350	Survey	3150	4.2 AZ 192.5
		24.00	Desert Grassy	11709'	-6660	TD	14599		Survey	3330	3.7 AZ 195
D/U	126 K#		LITH:	11109	3000		Centrifuge:		BKG GAS		0
P/U S/O	126 K#		FLARE:				Gas Buster		CONN GAS	<u></u>	0
ROT.	126 K#		LAST CSG.RA	N·	8-5/8"	SET @	3365		PEAK GAS		0
FUEL	Used:	574	On Hand:		12442	Co.Man	JIM WEIR		TRIP GAS		0
BIT#		ICS	OCS	DC	LOC	B/S	G	ODC	RP		
COND											



RKB: 25.6'

# **GASCO ENERGY**

## **DAILY DRILLING REPORT**

43-047-39773

**AFE # 60104** 

GPS 39N 58 109W 50 DESERT SPG FED

Well: D	SF 41-1-10	-18	Per.Depth 14,600 14,600 DATE 8/2  DRILLING				8/20/08	DAYS SINC		<del></del>	7	
	: Operatio		. опроран	1-1,000			<u> </u>	0.20,00	DATO GING	2 01 05.		
Depth:		Prog:	2008	D Hrs:	21	AV ROP:	95.6	Formation:	И	/ASAT	СН	
DMC:		713	TMC:		\$14,300		TDC:	\$77,495	CWC:		962,2	233
Contracto		BORS 99		Mud Co:	M-I Drlg. Flui	ds		LE COST		ANGIBLE	cos	г
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	4		Conductor:	\$ -	Loc,Cost:		\$	-
VIS:	29	SPM:	100	Size:	7/7/2008		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	1/1	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS-1655CDU		Int. Csg:	\$ -	Day Rate:Mov	ring	\$	24,000
Gel:		SPM:	100	MFG:	ULTERRA		Prod Csg:	\$ -	Rental Tools:		\$	5,500
WL:		GPM:	700	S/N:	5070		Float Equp:	\$	Trucking:		\$	-
Cake:		Press:	1250	Jets:	3X14, 2X15		Well Head:	\$	Water:		\$	4,200
Solids:	0.5	AV DC:	169	TD Out:	IN HOLE		TBG/Rods:	\$ 1	Fuel:		\$	
MBT		AV DP:	103	Depth In:	3380		Packers:	\$ -	Motors & Dir:		\$	8,582
PH:	7.9	JetVel:	122	FTG:	2008		Tanks:	\$ -	Camp cost:		\$	
Pf/Mf:	NC/1.30	ECD:	8.51	Hrs:	21		Separator:	\$ -	Bits:		\$	31,000
Chlor:	16000	SPR #1 :		FPH:	96'		Heater:	\$ -	Drilling Mud:		\$	2,713
Ca:	720	SPR #2 :		WOB:	14/26		Pumping L/T:	\$ -	Welder:		\$	
Dapp ppb:		Btm.Up:	31	R-RPM:	25/45		Prime Mover:	\$ -	Casing Crew		\$	
Ti	me Break D	own:	Total D.T.	M-RPM:	64/71		Misc:	\$ -	Consultant:		\$	1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	69.5	Daily Total:	\$ 1	Cement :		\$	
6:00	06:30	.5	WASH & REAM	F/3,250' TO 3,2	285'				Misc. / Labor:		\$	
06:30	07:30	1	TAG CMT @ 3,28	35'. DRILL CM	T & FLOAT EQUI	PMENT TO 3,380	'				\$	-
07:30	16:30	9	DRILL F/3,380' T	O 4,339' ROP	= 106.5'				Daily Total	:	\$	77,495
16:30	17:00	.5	UNABLE TO GE	T MWD SURV	EY DUE TO POLY	SWEEP. TAKE	SURVEY FIRST	THEN PUMP	Cum. Wtr:		\$	15,700
			SWEEP. OK						Cum. Fuel		\$	63,474
17:00	21:00	4	DRILL F/4,339' T	O 4,715' ROP	' = 94'				Cum. Bits:		\$	69,000
21:00	21:30	0.5	UNABLE TO GE	T MWD SURV	EY TRIED TWO B	Y 65 SPM & GOT	GOOD SURVE	Υ		ВНА	<u> </u>	
21:30	00:30	3	SLIDE DRILL F/47	20' TO 4734', RO	OTATE F/4734' TO	4847 SLIDE F/4847	TO 4856		BIT & MOTOR			30.14
00:30	01:00	.5	RIG SERVICE & C	HANGE OUT SA	VER SUB WHILE S	SERVICE TOP DRIV	/E		IBS	7-3/8		5.73
01:00	06:00	5	DRILL F/4856 TO 5	340 SLIDE F/53	40 TO 5357 ROTA	TE F/5357 TO 5388			MULE SHOE	6 3/8		2.82
									MONEL	6.5		30.35
F	RECEI	VED_							IBS	7-3/8		5.98
	 	2000							6-1/4" DC	18		547.29
	AUG 2 U	2008	Wasatch	5099'		Sunnyside	11809'	-6760				
	L OIL OAC	o LULIUMA	Mesaverde	8909	-3860	Kenilworth	12049'	-7000				
DIV. C	F OIL, GAS	& MINING	Lower Measve	10539'	-5490	Aberdeen	12149'	-7100		l		
			Castlegate	11339'	-6290	Spring Canyo	12269'	-7220	TOTAL BH	A =	····	547.29
			Desert	11589'	-6540	Mancos	12399'	-7350		5147	_	AZ 172.00
		24.00	Grassy	11709'	-6660	TD	14599'		Survey	5243	4.1 /	AZ 171.10
P/U	180 K#		LITH:				Venting		BKG GAS			440
S/O	171 K#		FLARE:	NO			Gas Buster:		CONN GAS			0
ROT.	175 K#		LAST CSG.RA		8-5/8"	SET @	3365		PEAK GAS			2687
FUEL	Used:	1528	On Hand:		0914	Co.Man	JIM WEIR G	ODC	TRIP GAS	<u> </u>		0
BIT #		ICS	ocs	DC	LOC	B/S	-	ODC	I INF			
00,10		<u> </u>	<u> </u>	L		<u> </u>	I	L	L			



**DAILY DRILLING REPORT** 

CONFIDENTIAL TIOSRIBES-01 43-047-39793 DESERT SPG FED

RKB: 25.6'

**AFE # 60104** 

Well: D	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	8/21/08	DAYS SINC	E SPUD:		8
Current	: Operation	ns:	-			DR	ILLING		<del></del>			
Depth:	7162'	Prog:	1774	D Hrs:	23 1/2	AV ROP:	75.5	Formation:	И	/ASAT	СН	
DMC:		600	TMC:		\$14,900		TDC:	\$41,458	CWC:	\$1	,003,	691
Contracto	r: NA	BORS 99		Mud Co:	M-l Drlg. Flui	ds	TANGIE	BLE COST	INT.	ANGIBLE	COST	
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	4		Conductor:	\$ -	Loc,Cost:		\$	-
vis:	30	SPM:	0	Size:	7/7/2008		Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	1/1	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS-1655CDU		Int. Csg:	\$ -	Day Rate:Mov	ring	\$ :	24,000
Gel:		SPM:	108	MFG:	ULTERRA		Prod Csg:	\$ -	Rental Tools:		\$	5,500
WL:		GPM:	376	S/N:	5070		Float Equp:	\$	Trucking:		\$	-
Cake:		Press:	1250	Jets:	3X14, 2X15		Well Head:	\$	Water:		\$	
Solids:	0.5	AV DC:	169	TD Out:	IN HOLE		TBG/Rods:	\$ 1	Fuel:		\$	
мвт		AV DP:	103	Depth In:	3380'		Packers:	\$ -	Motors & Dir:		\$	8,758
PH:	7.9	JetVel:	122	FTG:	3782'		Tanks:	\$ -	Camp cost:		\$	1,100
Pf/Mf:	NC/4.00	ECD:	8.51	Hrs:	44.5		Separator:	\$ -	Bits:		\$	
Chlor:	17000	SPR #1 :		FPH:	85'		Heater:	\$ -	Drilling Mud:		\$	600
Ca:	920	SPR #2 :		WOB:	16/28		Pumping L/T:	\$ -	Welder:		\$	
Dapp ppb:	4.95	Btm.Up:	66.6	R-RPM:	35/45		Prime Mover:	\$ -	Casing Crew		\$	
Ti	me Break D	own:	Total D.T.	M-RPM:	64/71		Misc:	\$ -	Consultant:		\$	1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	93.0	Daily Total:	\$ 1	Cement :		\$	
6:00	08:00	2	DRILL F/5388' T	O 5579' ROP =	95.5'				Misc. / Labor:		\$	
08:00	08:30	.5	SLIDE DRILL F/5	5579' TO 55 <u>9</u> 5	' ROP = 32'						\$	_
08:30	16:00	7	DRILL F/5595' T	O 6257' ROP	= 94.6'				Daily Total	:	\$ 4	41,458
16:00	16:30	.5	SERVICE RIG						Cum. Wtr:		\$	15,700
16:30	17:30	1	DRILL F/6257' T	O 6375' ROP	= 118'				Cum. Fuel		\$ (	63,474
17:30	18:00	.5	SLIDE DRILL F/6	6375' TO 6390'	' ROP = 30'				Cum. Bits:		\$ (	69,000
18:00	06:00	12	DRILL F/6390' T	O 7162' ROP	= 64'					BHA		
									BIT & MOTOR	.17		30.14
									IBS	7-3/8		5.73
	RECE	VED							MULE SHOE	6 3/8		2.82
·	necli	VLD	GOOD DRLG	BREAK F/666	60 TO 6667 ROP	WAS 210' BO	TTOMS UP GA	AS 8938 UNITS	MONEL	6.5		30.35
	AUG 2 1	2008							IBS	7-3/8		5.98
				·					6-1/4" DC	18		547.29
VIC	DF OIL, GA	S & MINING	Wasatch	5099'		Sunnyside	11809'	-6760				
			Mesaverde	8909	-3860	Kenilworth	12049'	-7000			ļ	
			Lower Measve	10539'	-5490	Aberdeen	12149'	-7100				
			Castlegate	11339'	-6290	Spring Canyo	ı 12 <u>269'</u>	-7220	TOTAL BH	A =	, , , , , ,	547.29
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	6961	-	Z 204.10
	<u> </u>	24.00	Grassy	11709'	-6660	TD	14599'	,	Survey	7056		Z 207.30
P/U	225 K#		LITH:				Venting		BKG GAS			20
S/O	198 K#		FLARE:	NO			Gas Buster:	NO	CONN GAS	<u> </u>		0
ROT.	205 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS	<u> </u>	8	8938
FUEL	Used:	1246	On Hand:		9118	Co.Man	JIM WEIR	000	TRIP GAS			0
BIT #		ICS	ocs	DC	LOC	B/S	G	ODC	RP			
COND	TTON	1			I	<u></u>	<u> </u>	l	L	<u> </u>		



**DAILY DRILLING REPORT** 

# CONFIDENTIAL T105R18E S-01 43-049-39793

RKB: 25.6'

**AFE # 60104** 

GPS 39N 58 109W 50 DESERT SPG

··						····	· · · · · · · · · · · · · · · · · · ·				
Well: D	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	8/22/08	DAYS SINCI	E SPUD:	9
	: Operation		<u> </u>	-			ILLING		<del></del>		
Depth:	8011'	Prog:	849	D Hrs:	22	AV ROP:	38.6	Formation:	и	/ASATC	H
DMC:		,260	TMC:		\$18,160		TDC:	\$43,759	CWC:	\$1,	047,450
Contracto	r: NA	BORS 99		Mud Co:	M-l Drlg. Flui	ds	TANGIE	LE COST	INT	ANGIBLE	совт
MW:	8.5	#1 PZ-10 3.4	88 GPS	Bit #:	4		Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	30	SPM:	0	Size:	7/7/2008		Surf. Csg:	\$ -	Rig Move:		\$
PV/YP:	1/1	# <b>2</b> PZ-10 3.4	188 GPS	Туре:	MS-1655CDU		Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,000
Gel:		SPM:	110	MFG:	ULTERRA		Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:		GPM:	386	S/N:	5070		Float Equp:	\$	Trucking:		\$ -
Cake:		Press:	1165	Jets:	3X14, 2X15		Well Head:	\$	Water:		\$
Solids:	0.5	AV DC:	169	TD Out:	IN HOLE		TBG/Rods:	\$ 1	Fuel:		\$
мвт		AV DP:	103	Depth In:	3380'		Packers:	\$ -	Motors & Dir:		\$ 8,749
PH:	7.9	JetVel:	122	FTG:	4631		Tanks:	\$ -	Camp cost:		\$ 600
Pf/Mf:	NC/4.00	ECD:	8.56	Hrs:	66.5		Separator:	\$ -	Bits:		\$
Chlor:	17000	SPR #1 :	_	FPH:	69.63'		Heater:	\$ -	Drilling Mud:		\$ 3,260
Ca:	80	SPR #2 :		wов:	16/31		Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:	5.5	Btm.Up:	42.7	R-RPM:	40/65		Prime Mover:	\$ -	Casing Crew		\$
Ti	ime Break D	own:	Total D.T.	M-RPM:	64/71		Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	115.0	Daily Total:	\$ 1	Cement :		\$
6:00	08:30	2.5	ROTARY DRILL	F/7162' TO 72	95' ROP = 53'				Misc. / Labor:		\$ 150
08:30	09:00	.5	TROUBLE SHOO	OT MWD TOO	L SURVEY OK					•	\$ -
09:00	09:30	.5	SLIDE DRILL F/7	7295' TO 7305	' ROP = 20'		PECEN	/CD	Daily Total:		\$ 43,759
09:30	11:30	2	ROTARY DRILL	F/7305' TO 73	90' ROP = 42.5'		RECEIV	בט	Cum. Wtr:		\$ 15,700
11:30	12:30	1	SLIDE DRILL F/7	7390' TO 7405	' ROP = 15'		AUG 2 7 2	กกร	Cum. Fuel		\$ 63,474
12:30	17:00	4.5	ROTARY DRILL	F/7405' TO 75	82' ROP = 39'		<b>-</b>		Cum. Bits:		\$ 69,000
17:00	17:30	0.5	RIG SERVICE &	TOP DRIVE		DIV.	OF OIL, GAS 8	MINING		ВНА	
17:30	18:00	.5	SLIDE DRILL F/7	7582' TO 7586	' ROP = 8'				BIT & MOTOR	.17	30.14
18:00	04:00	10	ROTARY DRILL	F/7586' TO 79	65' ROP = 37.9'				IBS	7-3/8	5.73
04:00	05:00	1	UNABLE TO GET	MWD SURVEY	ATTEMPT 4 TIMES	MWD HAND ADJ	UST TOOL FOR NO	SIE OK	MULE SHOE	6 3/8	2.82
05:00	06:00	1	ROTARY DRILL	F/7965' TO 80	11' ROP = 46'				MONEL	6.5	30.35
									IBS	7-3/8	5.98
			CLEAN OUT S	AND TRAPS	& SHALE PIT	& START MUD	UP @ 7900'	1, ,	6-1/4" DC	18	547.29
			Wasatch	5099'		Sunnyside	11809'	-6760			
	<u> </u>		Mesaverde	8909	-3860	Kenilworth	12049'	-7000			
			Lower Measve	10539'	-5490	Aberdeen	12149'	-7100		l	
			Castlegate	11339'	-6290	Spring Canyo	or 12269'	-7220	TOTAL BH	A =	547.2
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	7815	.90 AZ 224
		24.00	Grassy	11709'	-6660	TD	14599'		Survey	7912	1.1 AZ 227
P/U	225 K#	ŧ	LITH:				Venting	YES	BKG GAS		20
s/o	198 K#	ţ	FLARE:	NO	,		Gas Buster:	NO	CONN GAS	3	0
ROT.	205 K#	ŧ	LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS	3	180
FUEL	Used:	893	On Hand:		8775	Co.Man	JIM WEIR	050	TRIP GAS	r	0
BIT#		ICS	ocs	DC	LOC	B/S	G	ODC	RP	<u> </u>	A11 P
COND	ITION	<u></u>			1		<u></u>		<u> </u>	<u> </u>	



**DAILY DRILLING REPORT** 

CONFIDENTIAL TIOS RIBE 5-01 43-047-39773 GPS 39N 58 109W 50 SPG FED

AFE # 60104

		4.0	RKB: 25.6	44.000	<del></del>			0/05/00			40
	SF 41-1-10		Per.Depth	14,600		14,600	DATE	8/25/08	DAYS SINC	E SPUD:	12
Current	: Operatio	······································					O SHOE				
Depth:		Prog:		D Hrs:	0	AV ROP:		Formation:		/ASATC	CH
DMC:		700	TMC:		\$35,700		TDC:	\$60,600	CWC:	\$1,	203,000
Contractor	r: NA	BORS 99		Mud Co:	M-I Drlg. Flui		TANGIE	LE COST	INT	ANGIBLE	COST
MW:		#1 PZ-10 3.4		Bit #:	RR	6	Conductor:	\$ -	Loc,Cost:		\$
VIS:	36	SPM:	4/5	Size:	7-7/8	7-7/8	Surf. Csg:	\$ -	Rig Move:		\$ 19,700
PV/YP:	6/4	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS1666D	MS 1655CDU	Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,000
Gel:	2/4	SPM:	65/80	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	15	GPM:	1	S/N:	5339	4775	Float Equp:	\$	Trucking:		\$ -
Cake:	1	Press:	1028/1420	Jets:	3X14, 2X15	5X16's	Well Head:	\$	Water:		\$
Solids:	2	AV DC:	380	TD Out:	8440	IN HOLE	TBG/Rods:	\$ 1	Fuel:		\$
мвт	7.5	AV DP:	231	Depth In:	8327	8440	Packers:	\$ -	Motors & Dir:		\$ 8,200
PH:	7.8	JetVel:	183	FTG:	113	0	Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/2.00	ECD:	9.01	Hrs:	9	1.5	Separator:	\$ -	Bits:		\$
Chlor:	18000	SPR #1 :		FPH:	12.6	0.0	Heater:	\$ -	Drilling Mud:		\$ 1,700
Ca:	120	SPR #2 :		WOB:	22/34	10/34	Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:	5.5	Btm.Up:	33.9	R-RPM:	10/65	10/65	Prime Mover:	\$ -	Casing Crew		\$
Tir	me Break D	own:	Total D.T.	M-RPM:	60/80	60/85	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	125.0	Daily Total:	\$ 1	Cement :		\$
6:00	09:00	3	M/U BIT INSTAL	L MWD TOOL	& RIH TO 3800'				Misc. / Labor:		\$
09:00	09:30	.5	BREAK CIRC. &	CHECK MWD	TOOL OK						\$ -
09:30	11:00	1.5	RIH TO 5800' CH	IECK MWD TO	OL NOT WORKI	NG			Daily Total:	:	\$ 60,600
11:00	13:00	2	RIH TO 7488' TIC	SHT SPOT WO	RK THRU OK CO	NT. RIH TO 837	1'		Cum. Wtr:		\$ 15,700
13:00	18:00	7	VERY HARD RE	AMING F/ 8377	7' TO 8440'				Cum. Fuel		\$ 63,474
18:00	19:30	1.5	ATTEMPT TO DE	RILL HIGH TO	RQUE & VERY T	GHT UNABLE TO	O GET BIT TO D	RILL	Cum. Bits:		\$ 69,000
19:30	02:30	5	POOH WET LOC	KING FOR PC	SSIBLE WASH (	OUT. FOUND WA	SH OUT IN DC	ABOUT 3"		ВНА	
			LONG. L/D DC &	MOTOR LEA	KING OIL & BIT E	ALLED UP & AL	L JETS PLUGG	ED. PULL	BIT & MOTOR	.17	30.14
					N OUT CUTTING				IBS	7-3/8	5.73
02:30	03:30	1			SHING HAD SO		RN 1/4 & SET B	ACK IN	MULE SHOE	6 3/8	2.82
03:30	06:00	2.5	P/U & M/U BIT M	OTOR DIREC	TIONAL TOOLS 8	RIH	<u> </u>		MONEL	6.5	30.35
									IBS	7-3/8	5.98
									6-1/4" DC	18	547.29
	RECE	<del>VED</del>	Wasatch	5099'		Sunnyside	11809'	-6760	3, 20		•
	ALIC 2 E	2008	Mesaverde	8909	-3860	Kenilworth	12049'	-7000			
	AUG 2 5	2000	Lower Measve		-5490	Aberdeen	12149'	-7100			
	D= 01 0A	S & MINING		11339'	-6290	Spring Canyo		-7220	TOTAL BH	A =	547.29
DIV.	OF UIL, OF	2 of Intimities	Desert	11589'	-6540	Mancos	12399'	-7350	Survey	7815	.90 AZ 224
		24.00	Grassy	11709'	-6660	TD	14599'			8294	1.4 AZ 227
P/U	225 K#		LITH:			-	Venting	YES	BKG GAS		20
S/O	198 K#		FLARE:	NO			Gas Buster:		CONN GAS	 }	0
ROT.	205 K#		LAST CSG.RA		8-5/8"	SET @	3365	·	PEAK GAS		180
FUEL	Used:	987	On Hand:		6-5/6 6253	Co.Man	JIM WEIR		TRIP GAS		1100
BIT#		ICS	OCS OCS	DC	LOC	B/S	G	ODC	RP		1,00
CONDI		0	1	WT	N/A	Х	I	N/A	PR	BAL	LED UP



## DAILY DRILLING REPORT

CONFIDENTIAL

TIOS RIBE 5-01

43-047-39773

GPS 39N 58 109W 50 SPG FED

AFE # 60104

	VD.	0.5	$\alpha$
ĸ	ND.	25	o.

Walls De	SE 44 4 40	. 40	RKB: 25.6	44.000		44.000	T 5	0/00/00			40
	SF 41-1-10		Per.Depth	14,600		14,600	LLING	8/26/08	DAYS SINC	E SPUD:	13
	: Operation					· · · · · · · · · · · · · · · · · · ·					
Depth:		Prog:	547	D Hrs:	16	AV ROP:	34.2	Formation:		ESAVE	
DMC:		,300	TMC:		\$38,000		TDC:	\$66,000	CWC:	<del>`</del> _	269,000
Contractor		BORS 99		Mud Co:	M-I Drlg. Flui		TANGIE	BLE COST	INT.	ANGIBLE	COST
MW:	8.9		88 GPS	Bit #:	6	RR 5	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	35	SPM:	60	Size:	7-7/8	7-7/8	Surf. Csg:	\$ -	Rig Move:		\$
PV/YP:	6/4	# <b>2</b> PZ-10 3.4	188 GPS	Туре:	MS1655CDU	MS1666D	Int. Csg:	\$ -	Day Rate:Mov	ring	\$ 24,000
Gel:	3/8	SPM:	60/110	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	17	GPM:	380/420	S/N:	4775	5339	Float Equp:	\$	Trucking:		\$ -
Cake:	1	Press:	1320/1400	Jets:	5X16		Well Head:	\$	Water:		\$
Solids:	2	AV DC:	352	TD Out:	8440	IN HOLE	TBG/Rods:	.\$ 1	Fuel:		\$ 24,400
MBT	7.5	AV DP:	214	Depth In:	8440	8440	Packers:	\$ -	Motors & Dir:		\$ 8,300
PH :	7.8	JetVel:	156	FTG:	0	547	Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/2.40	ECD:	9.11	Hrs:	1.5	16	Separator:	\$ -	Bits:		\$
Chlor:	18000	SPR #1 :		FPH:	0.0	34.0	Heater:	\$ ~	Drilling Mud:		\$ 2,300
Ca:	40	SPR #2 :		WOB:	10/34	28/32	Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:	3.5	Btm.Up:	37.5	R-RPM:	10/65	50/60	Prime Mover:	\$ -	Casing Crew		\$
Tiz	me Break D	own:	Total D.T.	M-RPM:	60/80	71	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	141.0	Daily Total:	\$ 1	Cement :		\$
6:00	07:30	1.5	RIH TO SHOE						Misc. / Labor:		\$
07:30	09:00	1.5	SLIP & CUT DRI	LLING LINE							\$ -
09:00	12:00	3	CONTINUE RIH	TO 8314' (TIGI	HT SPOT @ 4850	WORK THRU O	K)		Daily Total:		\$ 66,000
12:00	13:00	1	REAM F/ 8314' T	О ВОТТОМ @	8440'				Cum. Wtr:		\$ 15,700
13:00	17:00	4	ROTARY DRILL	F/8440' TO 86	00' ROP = 40'				Cum. Fuel		\$ 63,474
17:00	17:30	.5	RIG SERVICE						Cum. Bits:		\$ 69,000
17:30	02:00	8.5	ROTARY DRILL	F/8600' TO 88	82' ROP = 33'					ВНА	
02:00	02:30	.5	RIG SERVICE TO	OP DRIVE					BIT & MOTOR	.17	30.14
02:30	03:30	11	SLIDE DRILL F/88	82' TO 8890' HA	D PUMP GO DOWN	HARD TIME GET	TING BIT TO SLID	E DRILL	IBS	7-3/8	5.73
03:30	06:00	2.5	ROTARY DRILL	F/8890' TO 89	87' ROP = 38'				MULE SHOE	6 3/8	2.82
<u> </u>	<del></del>	ren							MONEL	6.5	30.35
K	ECEIV	ED							IBS	7-3/8	5.98
	UG 2 6 2	2008		**					6-1/4" DC	18	547.29
	.00 2 0 .		Wasatch	5099'	,, <u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>	Sunnyside	11809'	-6760			
ח עות	OIL, GAS	& MINING	Mesaverde	8909	-3860	Kenilworth	12049'	-7000			
Garage Co.	()(12)		Lower Measve	10539'	-5490	Aberdeen	12149'	-7100			
			Castlegate	11339'	-6290	Spring Canyo	ı 12269'	-7220	TOTAL BH	A =	547.29
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	7815	.90 AZ 224
		24.00	Grassy	11709'	-6660	TD	14599'		Survey	8294	1.4 AZ 227
P/U	250 K#		LITH:				Venting	YES	BKG GAS		151
S/O	190 K#		FLARE:	NO			Gas Buster:	NO	CONN GAS	<u> </u>	2715
ROT.	210 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS		3410
FUEL	Used:	1574	On Hand:		1029	Co.Man	JIM WEIR		TRIP GAS		3410
BIT#	6 ITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		LEDUD
COND	IION	0	1	WT	N/A	X	11	N/A	PR	RA	LED UP

Form 3160-5 (April 2004)

#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007

SIIN	DRY NOTICES AND REI	PORTS ON WELLS	UTU-0	13820
Do no	at use this form for proposals	to drill or to re-enter an	6. If Indian, Allottee, or To	
	oned well. Use Form 3160-3 (A		7. If Unit or CA. Agreeme	
	PLICATE - Other Instruction	ns on reverse side.	N N	
1. Type of Well Oil Well X Gas Well	Other		8. Well Name and No.	
			Desert Spring Fe	deral 41-1-10-18
2. Name of Operator			9. API Well No.	
Gasco Production Company 3a. Address		3b. Phone No. (include area code)	43-047	7-39773
8 Inverness Drive East Ste I	1	303-483-0044	<ol><li>Field and Pool, or Exp</li></ol>	ploratory Area
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)			ldcat
	225' FNL & 543' FEL		11. County or Parish, Stat	te
]	NE NE of Section 1-T10S-R	.18E	Uintal	h, Utah
12. CHECK APPROI	PRIATE BOX(S) TO INDICAT	ΓΕ NATURE OF NOTICE, RE	PORT, OR OTHER DAT	<u> </u>
TYPE OF SUBMISSION		TYPE OF ACTION	NC	
X Notice of Intent	Acidize X	Deepen Producti	on (Start/Resume)	Water Shut-off
	Altering Casing	Fracture Treat Reclama	etion	Well Integrity
Subsequent Report	Casing Repair	New Construction Recomp	lete(	Other
<del></del>	X Change Plans	Plug and abandon Tempor	erily Abandon	
Final Abandonment Notice	Convert to Injection	Plug back Water I	-	
Attach the Bond under which the	tionally or recomplete nonzontally, given will be performed or provide the level operations. If the operation results Abandonment Notices shall be filed	he Bond No. on file with BLM/BIA.	Required subsequent reports soletion in a new interval, a Form	hall be filed within 30 days n 3160-4 shall be filed once
This well is currently pe	ermitted to 14,650'			
Gasco Production Co w	vould like to attempt to comp	olete this well within the Ma	ncos at 15,250' TVD &	15,300° MD
The maximum anticipal	led mud weight will be 11.5#	i gallon		
The only change to the	casing design will be the add	ditional footage of 4-1/2" 13	5.1#ft P-110	
LT&C casing.				
The cement design has	been revised to accommoda	te the additional well depth.	Additionally	
the cement system to be	used has been revised as fo	ollows:		
523 sacks of 35:65 Poz	"G" 11.5 PPG, 3.05 yield			COPY SENT TO OPERAT
1877 sacks 50:50 Poz 1	"G", 14.1 PPG, Yield =1.28	cu.ft/sk		n. 9 27 740
This cement design sho	ould result in a cement top at	(2500', If hole conditions in	dicate, the number	Date: 0.61. 1008
of sacks of cemem will	be increased to achieve a co	deulated cement top of 2500	r. Emai top oj	Date: 8 · 27 · 2008 Initials: K
cement will be verified				
	g a 3rd ram on the BOP stac	:k		
14. I hereby certify that the foregoin	g is true and correct.	1		
Name (Printed Typed)		Title	Engineering Technic	rian
Beverly Walker			Engineering recting	Ciair
Signature / 10003/	eleb/Ke	Date	August 21, 2008	

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant ENVIRONMENTAL MANAGER

Certify that the applicant holds legal or equitable title to those rights in the subject lease Office
which would entitle the applicant to conduct operations thereon

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictiousor fraudulent statements or representations as to any matter within its jurisdiction.

THIS SPACE FOR FEDERAL OR STATE OFFICE USE



DAILY DRILLING REPORT

CONFIDENTIAL TIOS R 18E S-OL 43-047-39773 DESERT SPG FED GPS 39N 58 109W 50

**AFE # 60104** 

			RKB: 25.6'		r		<del></del>					
	SF 41-1-10		Per.Depth	14,600		14,600	DATE	8/27/08	DAYS SINC	E SPUD:		14
Current:	Operation	ns:				CIRC.	ТО РООН					
Depth:	9494'	Prog:	507	D Hrs:	22 1/2	AV ROP:	22.5	Formation:	ME	SAVE	RDE	
DMC:	\$8	,400	TMC:		\$46,400		TDC:	\$88,100	CWC:	\$1	357	,100
Contractor	: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	LE COST	INT	ANGIBLE	cost	Г
MW:	9	#1 PZ-10 3.4	188 GPS	Bit #:	6	RR 5	Conductor:	\$ -	Loc,Cost:		\$	-
vis:	36	SPM:	60	Size:	7-7/8	7-7/8	Surf. Csg:	\$ -	Rig Move:		\$	
PV/YP:	7/5	#2 PZ-10 3.4	488 GPS	Type:	MS1655CDU	MS1666D	Int. Csg:	\$ -	Day Rate:Mov	ing	\$	29,000
Gel:	3/10	SPM:	60/110	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$	5,500
WL:	13.2	GPM:	380/420	S/N:	4775	5339	Float Equp:	\$	Trucking:		\$	_
Cake:	1	Press:	1320/1400	Jets:	5X16	3X14, 2X15	Well Head:	\$	Water:		\$	3,500
Solids:	3.8	AV DC:	352	TD Out:	8440	9494	TBG/Rods:	\$ 1	Fuel:		\$	
мвт	7.5	AV DP:	214	Depth In:	8440	8440	Packers:	\$ -	Motors & Dir:		\$	8,300
PH:	7.8	JetVel:	156	FTG:	0	1054	Tanks:	\$ -	Camp cost:		\$	
Pf/Mf:	NC/3.3	ECD:	9.11	Hrs:	1.5	38.5	Separator:	\$ -	Bits:		\$	18,000
Chlor:	18000	SPR #1 :		FPH:	0.0	27.0	Heater:	\$ -	Drilling Mud:		\$	8,400
Ca:	40	SPR #2 :		WOB:	10/34	30/36	Pumping L/T:	\$ -	Welder:		\$	
Dapp ppb:	4.5	Btm.Up:	37.5	R-RPM:	10/65	50/60	Prime Mover:	\$ -	Casing Crew		\$	
Tir	me Break D	own:	Total D.T.	M-RPM:	60/80	71	Misc:	\$ -	Consultant:		\$	3,000
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	163.5	Daily Total:	\$ 1	Cement :		\$	
6:00	07:00	1	ROTARY DRILL	F/8987' TO 90	00' ROP = 13' P/U	J GO TO ONE P	UMP & RESTART	BIT DUE	Misc. / Labor:		\$	12,400
			TO SLIP STICKII	NG							\$	_
07:00	08:00	1	SLIDE DRILL F/9	9000' TO 9016	' ROP = 16'				Daily Total		\$	88,100
08:00	15:00	7	ROTARY DRILL	F/9016' TO 92	08' ROP = 27.42'				Cum. Wtr:		\$	19,200
15:00	15:30	.5	DOWN TIME: COU	ILDN'T ISOLATI	E #2 MUD PUMP TO	WORK ON BECA	USE 4" DISCHAR	GE VALVE LEAKS.	Cum. Fuel		\$	63,474
			SO PICK UP & WO	ORK PIPE WHIL	E THEY WORK ON	#2 MUD PUMP			Cum. Bits:		\$	86,000
15:30	17:30	2	ROTARY DRILL F	/9208' TO 9268'	ROP = 30°	RI	ECEIVE	D		ВНА		
17:30	18:00	.5	RIG SERVICE &	TOP DRIVE		4	HA 7		BIT & MOTOR	.17		30.14
18:00	05:30	11.5	DRILL F/9268' TO	9494' ROP = 2	20'	Α	UG 2 7 2001	3	IBS	7-3/8		5.73
05:30	06:00	.5	CIRC. & MIX SLI	Ј <b>G</b> ТО РООН			<del>/</del>		MULE SHOE	6 3/8		2.82
						UAV. UF	OIL, GAS & M	INING	MONEL	6.5	·····	30.35
									IBS	7-3/8		5.98
									6-1/4" DC	18		547.29
			Wasatch	5099'		Sunnyside	11809'	-6760				
			Mesaverde	8909	-3860	Kenilworth	12049'	-7000				
			Lower Measve	10539'	-5490	Aberdeen	12149'	-7100				
			Castlegate	11339'	-6290	Spring Canyo	r 12269'	-7220	TOTAL BH	A =		547.29
			Desert	11589'	-6540	Mancos	12399'	-7350	Survey	7815	.90	AZ 224
		24.00	Grassy	11709'	-6660	TD	14599'		Survey	8294	1.4	AZ 227
P/U	250 K#		LITH:				Venting	YES	BKG GAS			151
S/O	190 K#		FLARE:	NO			Gas Buster:	NO	CONN GAS	<u> </u>		2715
ROT.	210 K#	!	LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS			3410
	Used:	1222	On Hand:	_	9807	Co.Man	JIM WEIR		TRIP GAS			3410
BIT #		ICS	ocs	DC	LOC	B/S	G	ODC	RP			
CONDI	TION			L		l <u> </u>	L					



DAILY DRILLING REPORT

CONFIDENTIAL T 105 R 18 E 5-01 43-047-39773 DESERT SPG FED GPS 39N 58 109W 50

#### **AFE # 60104**

			RKB: 25.6'		7-1-11	00104		GF3 33N 30			
Well: DS	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE		DAYS SINC	E SPUD:	15
Current	: Operatio	ns:			D	RILLING A	HEAD @	9700'			
Depth:	9700'	Prog:	206	D Hrs:	8	AV ROP:	25.8	Formation:	M	ESAVEI	RDE
DMC:	\$4,	195	TMC:		\$50,595		TDC:	\$55,150	CWC:	\$1,	412,250
Contractor	r: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGI	BLE COST	INT	ANGIBLE	соѕт
MW:	9.1	#1 PZ-10 3.	488 GPS	Bit #:	RR 5	8	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	38	SPM:	60	Size:	7-7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$
PV/YP:	7/10	# <b>2</b> PZ-10 3	488 GPS	Type:	MS1666D	MS1666D	Int. Csg:	\$ -	Day Rate:Mov	/ing	\$ 24,500
Gel:	4/10	SPM:	60/110	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	15	GPM:	380/420	S/N:	5339	5337	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1	Press:	1320/1400	Jets:	3X14, 2X15	6X15'S	Well Head:	\$ -	Water:		\$ -
Solids:	6	AV DC:	352	TD Out:	9494		TBG/Rods:	\$ -	Fuel:		\$
мвт	7.5	AV DP:	214	Depth In:	8440	9494	Packers:	\$ -	Motors & Dir:		\$ 15,000
PH :	7.9	JetVel:	156	FTG:	1054	206	Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/3.2	ECD:	9.11	Hrs:	38.5	8	Separator:	\$ -	Bits:		\$ -
Chlor:	18000	SPR #1 :		FPH:	27.0	25.8	Heater:	\$ -	Drilling Mud:		\$ 4,195
Ca:	40	SPR #2 :		WOB:	30/36	25/28	Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:	4.7	Btm.Up:	37.5	R-RPM:	50/60	55/62	Prime Mover:	\$ -	Casing Crew		\$
Ti	me Break D	own:	Total D.T.	M-RPM:	71	N/A	Misc:	\$ -	Consultant:		\$ 3,000
START	END	TIME	R/U 11.5 DRLG 29	Total	Rot. Hrs:	171.5	Daily Total:	\$ -	Mud Logging	:	\$ 1,870
6:00	6:30	.5	MIX & PUMP DR	Y JOB PILL					Misc. / Labor		\$ 1,085
6:30	12:30	6	T.O.O.H. FOR B	IT & L/D DIR. 1	OOLS	R	ECEIVE	ED			\$ -
12:30	13:30	1	P/U BIT, NEAR E	BIT, & IBS'S					Daily Total	:	\$ 55,150
13:30	16:00	2.5	T.I.H. TO SHOE			<i>A</i>	AUG 2 8 20	บช	Cum. Wtr:		\$ 19,200
16:00	16:30	.5	FILL PIPE & TEST	PRODRIFT SU	RVEY TOOL				Cum. Fuel		\$ 63,474
16:30	19:30	3	T.I.H. FILL PIPE @	7000'		DIV. OI	FOIL, GAS &	MINING	Cum. Bits:		\$ 86,000
19:30	20:00	0.5	INSTALL ROT. HE	AD RUBBER						ВНА	
20:00	20:30	.5	T.I.H. TAG UP	9040' REAM	45' AND T.I.H. TO	9440'			віт	7-7/8	1.00
20:30	22:00	1.5	WASH & REAM 45	TO BTM - BR	AK IN NEW BIT				NEAR BIT	7-3/8	5.75
22:00	6:00	8	DRLG FR 9494'	- 9700' @ 25.	75'/HR				PRODRIFT	6 3/8	8.56
									D.C.	6-1/4	30.97
									IBS	7-3/8	5.73
				Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
			Wasatch	5109'	-4591'	Sunnyside	11824'	2124'	IBS	7/3/2008	5.98
			Mesaverde	8924'	-776'	Kenilworth	12064'	2364'	16 - D.C.'S	6/1/2004	486.53
			Lower Masavero	i 10554'	854'	Aberdeen	12164'	2464'			
			Castlegate	11354'	1654'	Spring canyon	12284'	2584'	TOTAL BH	A =	574.18
			Desert	11604'	1904'	Mancos	12414'	2714'	Survey	7815	
			Grassy	11724'	2024'	TD	15200'	5500'	Survey	9526	0.9
P/U	265 K#		LITH:				Venting	YES	BKG GAS		300
S/O	200 K#		FLARE:	NO			Gas Buster:	: NO	CONN GAS	S	1000
ROT.	230 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS	3	8540
FUEL	Used:	1152	On Hand:		8655	Co.Man	J.D. ALLEN		TRIP GAS		8540
BIT#		ICS	ocs	DC	LOC	B/S	G	ODC	RP	ļ	
COND	ITON	11	2	WT	Н	X	IN	NO	PR	l	



## DAILY DRILLING REPORT

CONFIDENTIAL
TIOS R 18E S-01
43-047-39773
DESERT SPG FED
GPS 39N 58 109W 50

AFE # 60104

	0/		RKB: 25.6'	_	AFE #	60104		GPS 39N 58	109W 50		
Well: D	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	8/29/08	DAYS SINC	E SPUD:	16
Current	: Operatio	ons:	DOWN TII	NE - LOWER	WELL CONTRO	OL VALVE STU	JCK 1/2 WAY	CLOSED,TAKE	APART TO	MANUAL	OPEN
Depth:	10298'	Prog:	598	D Hrs:	19	AV ROP:	31.5	Formation:	ME	SAVER	DE
DMC:	\$4	,845	TMC:		\$55,440	·	TDC:	\$79,081	CWC:	\$1,4	91,331
Contracto	r: NA	ABORS 99		Mud Co:	M-l Drlg. Flui	ds	TANGII	BLE COST	INT	ANGIBLE C	OST
MW:	9.4	#1 PZ-10 3.4	88 GPS	Bit #:	RR 5	8	Conductor:	\$ 20,535	Loc,Cost:	(	5 -
VIS:	37	SPM:	63	Size:	7-7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		5
PV/YP:	7/9	# <b>2</b> PZ-10 3.4	188 GPS	Туре:	MS1666D	MS1666D	Int. Csg:	\$	Day Rate:Mov	ing S	24,500
Gel:	4/10	SPM:	63	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		5,500
WL:	15	GPM:	440	S/N:	5339	5337	Float Equp:	\$ 6,888	Trucking:		14,588
Cake:	1	Press:	1330	Jets:	3X14, 2X15	6X15'S	Well Head:	\$ -	Water:	;	-
Solids:	6	AV DC:	334	TD Out:	9494		TBG/Rods:	\$ -	Fuel:		\$
мвт	7.5	AV DP:	224	Depth In:	8440	9494	Packers:	\$ -	Motors & Dir:	;	5 -
PH:	7.8	JetVel:	136	FTG:	1054	804	Tanks:	\$ -	Camp cost:		5
Pf/Mf:	NC/3.00	ECD:	9.65	Hrs:	38.5	27	Separator:	\$ -	Bits:		-
Chlor:	18000	SPR #1 :		FPH:	27.0	29.8	Heater:	\$ -	Drilling Mud:		4,845
Ca:	40	SPR #2 :		wов:	30/36	28/32	Pumping L/T:	\$ -	Welder:		5
Dapp ppb:	4.5	Btm.Up:	42	R-RPM:	50/60	55/62	Prime Mover:	\$ -	Casing Crew	(	\$
Ti	me Break D	own:	Total D.T.	M-RPM:	71	N/A	Misc:	\$ -	Consultant:		1,500
START	END	TIME	R/U 11.5 DRLG 30	Total	Rot. Hrs:	190.5	Daily Total:	\$ 27,423	Mud Logging:	: :	5 -
6:00	17:30	11.5	DRLG FR 9700' -	10014 @ 33	/HR -2HRS SURV	EYS & REAMING	CONNECTION	<u>s</u>	Misc. / Labor:		725
			SURVEYS: 9728	'=1.1 9823'=2	.5 9918'=1.5 100	14'=2.7					\$ -
17:30	18:00	.5	RIG SERVICE - S	SERVICE TOP	DRIVE				Daily Total:		51,658
18:00	5:00	11	DRLG FR 10014	' - 10298' @2 <u></u>	9.9'/HR -1.5HR SU	RVEYS & REAM	ING CONNECT	ONS	Cum. Wtr:		\$ 19,200
			SURVEYS: 10055'=	=2.0 10097'=3.	0 10191'=2.6				Cum. Fuel		\$ 63,474
5:00	6:00	1	DOWN TIME - LOV	VER WELL CO	NTROL VALVE STU				Cum. Bits:		\$ 86,000
						<u> </u>	CEIVED	<u> </u>	ļ	BHA	
	ļ					AHF	<del>3 2 9 2008</del>		BIT	7-7/8	1.00
					,	700	) L	···	NEAR BIT	7-3/8	5.75
						DIV OF OI	L, GAS & MIN	ING	PRODRIFT	6 3/8	8.56
							Ly Carlo Cirili		D.C.	6-1/4	30.97
			ļ <u>.</u>						IBS	7-3/8	5.73
	<u> </u>			Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
<b> </b>			Wasatch	5109'	-5189'	Sunnyside	11824'	1526'	IBS	7/3/2008	5.98
	<u> </u>		Mesaverde	8924'	-1374'	Kenilworth	12064'	1766'	16 - D.C.'S	6/1/2004	486.53
			Lower Masaverd	10554'	256'	Aberdeen	12164'	1866'			
		-	Castlegate	11354'	1056'	Spring canyon	12284'	1986'	TOTAL BH	A =	574.18
			Desert	11604'	1306'	Mancos	12414'	2116'	Survey	-	
			Grassy	11724'	1426'	TD	15200'	4902'	Survey		
P/U	270 K#		LITH:				Venting		BKG GAS		2000
S/O	200 K#		FLARE:	NO			Gas Buster:		CONN GAS		4500
ROT.	236 K#	<u> </u>	LAST CSG.RA		8-5/8"	SET @	3365		PEAK GAS		7600
FUEL BIT#	Used: RR5	ICS	On Hand:	DC	8655 LOC	Co.Man B/S	J.D. ALLEN	ODC	TRIP GAS		N/A
COND		1	2	WT	Н Н	X	IN	NO	PR		
			· · · · · · · · · · · · · · · · · · ·	•		•		•			



**DAILY DRILLING REPORT** 

CONFIDENTIAL
TIOS RIGE 5-01
43-047-39773
DESERT SPG FED
GPS 39N 58 109W 50

AFE # 60104

			RKB: 25.6'		,	00104		0.0001100	· · · · · · · · · · · · · · · · · · ·		
Well: DS	SF 41-1-10	-18	Per.Depth	14,600		14,600	DATE	9/2/08	DAYS SINC	E SPUD:	20
Current:	: Operatio	ns:				DRILLING A	HEAD @ 10	880'			
Depth:	10880'	Prog:	67	D Hrs:	5	AV ROP:	13.4	Formation:	LOWE	R MESA	AVERDE
DMC:	\$5,	455	TMC:		\$74,068		TDC:	\$48,955	CWC:	\$1,	673,343
Contractor	: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGI	BLE COST	INT	ANGIBLE	COST
MW:	9.5	#1 PZ-10 3.4	188 GPS	Bit #:	10	11	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	38	SPM:	55	Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	9/10	#2 PZ-10 3.4	188 GPS	Туре:	MS1666D	FMH3753R	Int. Csg:	\$ -	Day Rate:Mov	ring	\$ 24,500
Gel:	5/14	SPM:	55	MFG:	ULTERRA	SEC.	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	18	GPM:	384	S/N:	5007	11024025	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1	Press:	1000	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$ -
Solids:	7	AV DC:	292	TD Out:	10813		TBG/Rods:	\$ -	Fuel:		\$ -
мвт	10	AV DP:	196	Depth In:	10652	10813	Packers:	\$ -	Motors & Dir:		\$ -
PH :	7.9	JetVel:	102	FTG:	161	67	Tanks:	\$ -	Camp cost:		\$ -
Pf/Mf:	NC/3.00	ECD:	9.7	Hrs:	18	5	Separator:	\$	Bits:		\$ 12,000
Chlor:	18000	SPR #1 :		FPH:	9.0	13.5	Heater:	\$ -	Drilling Mud:		\$ 5,455
Ca:	40	SPR #2 :		WOB:	28/32	28/32	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4.5	Btm.Up:	52	R-RPM:	50/70	50/68	Prime Mover:	\$ -	Casing Crew		\$ -
Ti	me Break D	own:	Total D.T.	M-RPM:	N/A	N/A	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 30	Total	Rot. Hrs:	222.0	Daily Total:	\$ -	Mud Logging	:	\$ -
6:00	8:00	2	DRLG FR 10801	' - 10813' @ 6	S'/HR				Misc. / Labor		\$ -
8:00	9:00	11	MIX & PUMP PIL	L - ATEMPT T	O GET SURVEY	TOOL NOT WOR	RKING			,	\$ -
9:00	15:00	6	T.O.O.H PULL	ED 45K-50K O	VER OFF BTM				Daily Total	:	\$ 48,955
15:00	16:00	11	CHANGE OUT B	ITS & SURVE	YTOOLS				Cum. Wtr:		\$ 19,200
16:00	23:00	7	T.I.H FILL PIF	E @ CSG SH	DE & 7500' INST	ALL ROT. HEAD	RUBBER		Cum. Fuel		\$ 112,758
23:00	0	1	WASH & REAM	145' TO BTM 1	DE & 7500' INST/	FLARE ON BIM	SWEIVE	<b>n</b>	Cum. Bits:		\$ 99,000
0	1:00	1	BREAK IN NEW	BIT	·	n L	CEIVE	ש	ļ	BHA	
1:00	6:00	5	DRLG FR 10813	' - 10880' @ 1	13.5'/HR	SE	P 0 2 200	8	BIT	7-7/8	1.00
									NEAR BIT	7-3/8	5.75
						DIV OF	DIL GAS & M	IMING	PRODRIFT	6 3/8	10.10
			_			·			D.C.	6-1/4	30.97
									IBS	7-3/8	5.73
				Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
			Wasatch	5109'	-5771'	Sunnyside	11824'	944'	IBS	7/3/2008	5.98
			Mesaverde	8924'	-1956'	Kenilworth	12064'	1184'	16 - D.C.'S	6/1/2004	486.53
			Lower Masavero	10554'	-326'	Aberdeen	12164'	1284'			
*· ·-			Castlegate	11354'	474'	Spring canyon	12284'	1404'	TOTAL BH	1	575.72
			Desert	11604'	724'	Mancos	12414'	1534'	Survey	10302	2.6/180
			Grassy	11724'	844'	TD	15200'	4320'	Survey	10588	2.5/178
P/U	300 K#		LITH:	<del></del>			Venting		BKG GAS		1000
S/O	210 K#	: 	FLARE:	10'-15' ON E	BTMS UP		Gas Buster:	NO	CONN GA	3	N/A
ROT.	250 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS	<u> </u>	4500
FUEL	Used:	832	On Hand:		3886	Co.Man	J.D. ALLEN	000	TRIP GAS	<del></del>	4500
BIT #		ICS	ocs	DC	LOC	B/S X	G IN	ODC CT	RP PR		
CUNDI	HUN	0	2	WT	3		I III	01	I FK	<u> </u>	



**DAILY DRILLING REPORT** 

CONFIDENTIAL
TIOS RIBE S-01
43-049-39793
GPS 39N 58 109W 56 SPG FED

AFE # 60104

	<del></del>		RKB: 25.6'				<u> </u>	<del></del>	I		
Well: DS	SF 41-1-10	-18	Per.Depth	14,600		14,600	DATE	9/3/08	DAYS SINC	E SPUD:	21
Current	: Operatio	ns:				DRILLING A	HEAD @ 11	425'			
Depth:	11425'	Prog:	545	D Hrs:	23 1/2	AV ROP:	23.2	Formation:	CA	STLEG	ATE
DMC:	\$7,	600	TMC:		\$81,668		TDC:	\$51,575	cwc:	\$1,	724,918
Contractor	: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	LE COST	INT	ANGIBLE	соѕт
MW:	10.1	#1 PZ-10 3.44	88 GPS	Bit #:	10	11	Conductor:	\$ -	Loc,Cost:		\$ -
vis:	38	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	11/7	#2 PZ-10 3.4	88 GPS	Туре:	MS1666D	FMH3753R	Int. Csg:	\$ -	Day Rate:Mov	ring	\$ 24,500
Gel:	4/10	SPM:	109	MFG:	ULTERRA	SEC.	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	15.6	GPM:	380	S/N:	5007	11024025	Float Equp:	\$ -	Trucking:		\$ -
Cake:	2	Press:	1050	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$ -
Solids:	10	AV DC:	289	TD Out:	10813		TBG/Rods:	\$ -	Fuel:		\$ -
MBT	12.5	AV DP:	194	Depth In:	10652	10813	Packers:	\$ -	Motors & Dir:		\$ -
PH :	7.7	JetVel:	103	FTG:	161	612	Tanks:	\$ -	Camp cost:		\$ -
Pf/Mf:	NC/3.30	ECD:	10.8	Hrs:	18	28.5	Separator:	\$ -	Bits:		\$ 12,000
Chlor:	18000	SPR #1 :		FPH:	9.0	21.5	Heater:	\$ -	Drilling Mud:		\$ 7,600
Ca:	40	SPR #2 :		WOB:	28/32	28/32	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4.95	Btm.Up:	55	R-RPM:	50/70	50/68	Prime Mover:	\$ -	Casing Crew	·	\$ -
Ti	me Break D	own:	Total D.T.	M-RPM:	N/A	N/A	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 30	Total	Rot. Hrs:	222.0	Daily Total:	\$ -	Mud Logging	:	\$ -
6:00	17:30	11.5	DRLG FR 10880'	'- 11159' @ <i>2</i>	24.3'/HR				Misc. / Labor:		\$ 475
17:30	18:00	.5	RIG SERVICE - S	SERVICE TOP	DRIVE						\$ -
18:00	6:00	12	DRLG FR 11159	' - 11425' @ 2	21.2'/HR		* ***		Daily Total	:	\$ 51,575
									Cum. Wtr:		\$ 19,200
									Cum. Fuel		\$ 112,758
							EIVED		Cum. Bits:		\$ 111,000
										BHA	
				. :		SEP	<u> 3 2008</u>		BIT	7-7/8	1.00
								<u></u>	NEAR BIT	7-3/8	5.75
						CE OIL,	GAS & MININ	G	PRODRIFT	6 3/8	10.10
									D.C.	6-1/4	30.97
									IBS	7-3/8	5.73
				Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
			Wasatch	5109'	-6316'	Sunnyside	11824'	399'	IBS	7/3/2008	5.98
			Mesaverde	8924'	-2501'	Kenilworth	12064'	639'	16 - D.C.'S	6/1/2004	486.53
			Lower Masaverd	10554'	-871'	Aberdeen	12164'	739'	<u> </u>		<del></del>
			Castlegate	11354'	-71'	Spring canyon	12284'	859'	TOTAL BH		575.72
			Desert	11604'	179'	Mancos	12414'	989'	Survey	10302	2.6/180
			Grassy	11724'	299'	TD	15200'	3775'	Survey	10588	2.5/178
P/U	310 K#	· · · · · · · · · · · · · · · · · · ·	LITH:		·		Venting		BKG GAS		1400
S/O	220 K#	<u> </u>	FLARE:	NONE			Gas Buster:		CONN GAS		100
ROT.	260 K#		LAST CSG.RA		8-5/8"	SET @	3365		PEAK GAS	<u> </u>	2300
FUEL PUT #	Used:	1558	On Hand:	DC	7328 LOC	Co.Man B/S	J.D. ALLEN	ODC	TRIP GAS	<b></b>	N/A
BIT #		ICS 0	OCS 2	WT	S	X	IN	CT	PR		
COND	11011	U			<u> </u>		1 114	<u> </u>	1		



**DAILY DRILLING REPORT** 

CONFIDENTIAL 7105 R18 E S-01 43-049-39 793

**AFE # 60104** 

RKB: 25.6'

GPS 39N 58 109W 50 S PG FED

Well: DSF 41-1-10-18			KKB: 25.6				T		I		
Well: D	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	9/4/08	DAYS SINC	E SPUD:	22
Current	: Operation	ns:				DRLG AH	EAD @ 1170	00'			
Depth:	11700'	Prog:	275	D Hrs:	23	AV ROP:	12.0	Formation:		DESER	T
DMC:	\$10	),815	TMC:	,	\$81,668		TDC:	\$45,788	CWC:	\$1,	770,706
Contractor	r: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	BLE COST	INT	ANGIBLE	COST
MW:	10.8	#1 PZ-10 3.4	88 GPS	Bit #:	10	11	Conductor:	\$ -	Loc,Cost:		<u> </u>
vis:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	16/6	# <b>2</b> PZ-10 3.4	188 GPS	Туре:	MS1666D	FMH3753R	Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,500
Gel:	3/8	SPM:	109	MFG:	ULTERRA	SEC.	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	10.4	GPM:	380	S/N:	5007	11024025	Float Equp:	\$ -	Trucking:		<u> </u>
Cake:	1	Press:	1175	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$ 2,858
Solids:	10	AV DC:	289	TD Out:	10813		TBG/Rods:	\$ -	Fuel:		\$ <u>-</u>
MBT	12.5	AV DP:	194	Depth In:	10652	10813	Packers:	\$ -	Motors & Dir:		\$ -
PH:	7.7	JetVel:	103	FTG:	161	612	Tanks:	\$ -	Camp cost:		\$ -
Pf/Mf:	NC/2.70	ECD:	10.8	Hrs:	18	28.5	Separator:	\$ -	Bits:		\$ -
Chlor:	15300	SPR #1 :		FPH:	9.0	21.5	Heater:	\$ -	Drilling Mud:		\$ 10,815
Ca:	28	SPR #2 :		WOB:	28/32	28/32	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4.125	Btm.Up:	56	R-RPM:	50/70	50/68	Prime Mover:	\$ -	Casing Crew		\$ -
Ti	me Break D	own:	Total D.T.	M-RPM:	N/A	N/A	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 30	Total	Rot. Hrs:	273.5	Daily Total:	\$ -	Mud Logging:		\$ -
6:00	16:00	10	DRLG FR 11425	' - 11540' @ 1	1.5'/HR				Misc. / Labor:		\$ 615
16:00	16:30	.5	RIG SERVICE - S	SERVICE TOP	DRIVE						\$ -
16:30	0	7.5	DRLG FR 11540	' - 11630' @ 1	2'/HR				Daily Total		\$ 45,788
0	0:30	.5	ATEMPT TO TAK	(E SURVEY -	SURVEY TOOL N	OT WORKING			Cum. Wtr:		\$ 19,200
0:30	6:00	5.5	DRLG FR 11630	' - 11700' @ 1	2.8'/HR				Cum. Fuel		\$ 112,758
									Cum. Bits:		\$ 111,000
						RECEIV	ED			ВНА	
						CED C 4 20	000		BIT	7-7/8	1.00
						SEP 0 4 2	000		NEAR BIT	7-3/8	5.75
					DIV (	7F 01L 040 0	MANUA		PRODRIFT	6 3/8	10.10
					DIV. V	OF OIL, GAS &	CIAILIAIIACA		D.C.	6-1/4	30.97
									IB\$	7-3/8	5.73
				Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
			Wasatch	5109'	-6591'	Sunnyside	11824'	124'	IBS	7/3/2008	5.98
			Mesaverde	8924'	-2776'	Kenilworth	12064'	364'	16 - D.C.'S	6/1/2004	486.53
			Lower Masaverd		-1146'	Aberdeen	12164'	464'			
			Castlegate	11354'	-346'	Spring canyon	12284'	584'	TOTAL BH	A =	575.72
			Desert	11604'	-96'	Mancos	12414'	714'	Survey	10302	2.6/180
			Grassy	11724	24'	TD	15200'	3500'	Survey	11251	2.4/172
P/U	310 K#	ŧ	LITH:				Venting	YES	BKG GAS		4500
s/o	220 K#		FLARE:	NONE			Gas Buster:		CONN GAS	3	2000over
ROT.	260 K#		LAST CSG.RA		8-5/8"	SET @	3365		PEAK GAS		7500
FUEL	Used:	1722	On Hand:		5606	Co.Man	J.D. ALLEN		TRIP GAS		N/A
BIT#	10	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	ITION	0	2	WT	S	X	IN	CT	PR		



RKB: 25.6'

## **GASCO ENERGY**

**DAILY DRILLING REPORT** 

CONFIDENTIAL TIOS RIBE 5-01 43-041-39113

**AFE # 60104** 

OESERT SPGFED
GPS 39N 58 109W 50

Well: DS	SF 41-1-10	)-18	Per.Depth	14,600		14,600	DATE	9/5/08	DAYS SINC	E SPUD:	23
Current	: Operatio	ns:				DRILLING A	HEAD @ 11	385'	<del> </del>		
Depth:		Prog:	181	D Hrs:		AV ROP:		Formation:	St	JNNYS	IDE
DMC:		,165	TMC:		\$111,648		TDC:	\$79,697	CWC:	\$1,	850,403
Contracto		BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	LE COST	INT	ANGIBLE	COST
MW:	10.8	#1 PZ-10 3.4	88 GPS	Bit #:	11	12	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	14/7	# <b>2</b> PZ-10 3.4	188 GPS	Туре:	FMH3753R	MS1666D	Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,500
Gel:	5/11/	SPM:	109	MFG:	SEC.	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	10	GPM:	380	S/N:	11024025	4780	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1	Press:	1175	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$ -
Solids:	12	AV DC:	289	TD Out:	11704		TBG/Rods:	\$ -	Fuel:		\$ 29,032
MBT	12.5	AV DP:	194	Depth In:	10813	11704	Packers:	\$ -	Motors & Dir:		\$ -
PH:	7.7	JetVel:	103	FTG:	891	181	Tanks:	\$ -	Camp cost:		\$ -
Pf/Mf:	NC/2.00	ECD:	10.8	Hrs:	52.5	6.5	Separator:	\$ -	Bits:		\$ -
Chlor:	12000	SPR #1 :		FPH:	17.0	28.0	Heater:	\$ -	Drilling Mud:		\$ 19,165
Ca:	40	SPR #2 :		WOB:	28/32	28	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	2.75	Btm.Up:	56	R-RPM:	50/68	55/60	Prime Mover:	\$ -	Casing Crew		\$ -
	me Break D		Total D.T.	M-RPM:	N/A	N/A	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 30		Rot. Hrs:	280.0	Daily Total:	\$ -	Mud Logging:		\$ -
6:00	7:00	1	DRLG FR 11700					<u> </u>	Misc. / Labor:		\$ -
7:00	8:00	1	MIX & PUMP PIL			··					\$ -
8:00	15:00	7	T.O,O.H CHAN	····			··········		Daily Total	:	\$ 79,697
15:00	21:30	6.5	T.I.H. FILL PIPE		n'				Cum. Wtr:		\$ 19,200
21:30	23:00	1.5	WASH & REAM	<del></del>			·····		Cum. Fuel		\$ 141,790
23:00	0	1	DRLG FR 11704	<del></del>					Cum. Bits:		\$ 111,000
0	0:30	0.5			Y - NOT WORKIN	IG - WORKED W	HILE FILLING P	IPE		ВНА	
:30	6:00	5.5	DRLG FR 11731				<u> </u>		BIT	7-7/8	1.00
	0.00	<del>- 0.0</del>	DALEGTIC TITOL	1,000 @ 2		· · · · · · · · · · · · · · · · · · ·			NEAR BIT	7-3/8	5.75
***************************************									PRODRIFT	6 3/8	10.10
									D.C.	6-1/4	30.97
R	ECEN	<b>YED</b>			<u> </u>		· · · · · · · · · · · · · · · · · · ·		IBS	7-3/8	5.73
,	CED U E	2000		Depth	Feet To Go		Depth	Feet To Go	D.C.	6/1/2004	29.66
	PEP U-	<del>kuuo -</del>	Wasatch	5109'	-6776'	Sunnyside	11824'	-61'	IBS	7/3/2008	5.98
201 0	COLL CAC	O MINUNO	Mesaverde	8924'	-2961'	Kenilworth	12064'	179'	16 - D.C.'S		486.53
UIV. U	OIL, GAS	& MINING	Lower Masaverd	<u>'''                                  </u>	-1331'	Aberdeen	12164'	279'	10 21010		
<del></del> :			Castiegate	11354'	-531'	Spring canyon	12284'	399'	TOTAL BH	A =	575.72
			Desert	11604'	-281'	Mancos	12414'	529'	Survey	11445	2.6/160
-			Grassy	11724	-161'	TD	15200'	3315'	Survey	11626	2.6/162
P/U	310 K#		LITH:				Venting		BKG GAS	1	4500
s/0	220 K#		FLARE:	12'-18' BTM	S UP		Gas Buster:	-	CONN GAS	 }	2000over
ROT.	260 K#		LAST CSG.RA		8-5/8"	SET @	3365	. <del>-</del>	PEAK GAS		9500
FUEL	Used:	1428	On Hand:		1981	Co.Man	J.D. ALLEN		TRIP GAS		9500
BIT#		ICS	OCS	DC	LOC	B/S	G	ODC	RP		
COND	ITION	1	2	WT	S	X	IN	СТ	PR		



**DAILY DRILLING REPORT** 

CONFIDENTIAL TOS RIBE 5-01 43-047-39793 DESERT SPG FED

**AFE # 60104** 

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Well: DSF 41-1-10-18											
Well: DS	SF 41-1-10	-18	Per.Depth	14,600		14,600	DATE	9/8/08	DAYS SINC	E SPUD:	26
Current	: Operatio	ns:				DRILLING A	HEAD @ 13	387'			
Depth:	13387'	Prog:	807	D Hrs:	23 1/2	AV ROP:	34.3	Formation:	٨	<i>MANCO</i>	S
DMC:	\$19	,945	TMC:		\$154,703		TDC:	\$51,445	CWC:	\$2,	002,958
Contractor	: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	BLE COST	INT	ANGIBLE	COST
MW:	11.2	#1 PZ-10 3.4	88 GPS	Bit #:	12	13	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	19/14	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS1666D	MS164CD	Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,500
Gel:	7/15/	SPM:	109	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	10	GPM:	380	S/N:	4780	5470	Float Equp:	\$ -	Trucking:		\$ -
Cake:	2	Press:	1175	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$
Solids:	13	AV DC:	289	TD Out:	12113		TBG/Rods:	\$ -	Fuel:		\$ -
мвт	15	AV DP:	194	Depth In:	11704	12113	Packers:	\$	Motors & Dir:		\$ -
PH:	7.5	JetVel:	103	FTG:	409	1274	Tanks:	\$ -	Camp cost:		\$ -
Pf/Mf:	NC/2.80	ECD:	11.37	Hrs:	22.5	39	Separator:	\$ -	Bits:		\$ -
Chlor:	11000	SPR #1 :		FPH:	18.2	32.6	Heater:	\$ -	Drilling Mud:		\$ 19,945
Ca:	40	SPR #2 :		WOB:	28	16/26	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	3.74	Btm.Up:	64	R-RPM:	55/60	45/60	Prime Mover:	\$ -	Casing Crew		\$ -
Tie	me Break D	own:	Total D.T.	M-RPM:	N/A	110/113	Misc:	\$ -	Consultant:		\$ 1,500
START	END	TIME	R/U 11.5 DRLG 30	Tota	Rot. Hrs:	335.0	Daily Total:	\$ -	Mud Logging:		\$ -
6:00	14:30	8.5	DRLG FR 12580' -	12807' @ 27'/	IR NO LOSSES W	ITH 11.2ppg			Misc. / Labor:		\$ -
14:30	15:00	.5	RIG SERVICE - SE	RVICE TOP DR	IVE						\$ -
15:00	6	15	DRLG FR 12807' -	13387' @ 38.6	'/HR				Daily Total		\$ 51,445
		<u> </u>							Cum. Wtr:		\$ 19,200
		-, -,							Cum. Fuel		\$ 141,790
			GAS SNIFFER S	TOPPED WO	RKING @ 5:00 EP	OCH CALLED TO	O FIX PROBLEM	1	Cum. Bits:		\$ 126,000
						RF	CEIVE	D		вна	
		·							ВІТ	7-7/8	1.00
						SE	P U 8 2008	3	MOTOR	7	38.76
									PRODRIFT	6 3/8	10.64
						UV OF	OIL, GAS & M	INING	D.C.'S	6-1/4	547.16
_		`									
				Depth	Feet To Go		Depth	Feet To Go			
· · -			Wasatch	5109'	-8278'	Sunnyside	11824'	-1563'			
<del>/</del>		****	Mesaverde	8924'	-4463'	Kenilworth	12064'	-1323'			
			Lower Masavero	10554'	-2833'	Aberdeen	12164'	-1223'			
			Castlegate	11354'	-2033'	Spring canyon	12284'	-1103'	TOTAL BH	A =	597.56
			Desert	11604'	-1783'	Mancos	12414'	-973'	Survey	13059	2.5/180
			Grassy	11724'	-1663'	TD	15200'	1813'	Survey	13250	2.4/171
P/U	305 K#		LITH:				Venting	YES	BKG GAS		3500
S/O	275 K#	<del></del>	FLARE:	NO			Gas Buster:	NO	CONN GAS	}	1000over
ROT.	280 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS		7200
FUEL	Used:	1210	On Hand:		8449	Co.Man	J.D. ALLEN		TRIP GAS		N/A
BIT#	12	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	ITION	0	1	WT	S	X	IN		PR		



#### **DAILY DRILLING REPORT**

**AFE # 60104** 

CONFIDENTIAL

T/05 R/9E 5-01

43-047-39793

OFSERT SPG FED

GPS 39N 58 109W 50

Gal: 7/19/ SPM: 109 MFG: ULTERRA ULTERRA Prod Cag: \$ - Rental Tools: \$  Wil: 12.8 oPM: 380 SR: 4780 5470 Float Equp: \$ - Trocking: \$  Caha: 1 Press: 1175 Jets: 6X16'S 6X16'S Wall Head: \$ - Yuster: \$  Solids: 14 AV DC: 289 TD Out: 12113 TBG/Rods: \$ - Fuel: \$ 2  MBT 15 AV DP: 194 Depth In: 11704 12113 Packers: \$ - Motors & Dir: \$  PH: 7.9 Jetvel: 103 FTG: 409 1575 Tanks: \$ - Camp cost: \$  PH WIT: NC/3.10 CCD: 11.37 Hrs: 22.5 46 Separator: \$ - Interest \$ - Dirilling Mud: \$ - Canp cost: \$ - Canp cos								9/9/08	DAYS SINC	E SPUD:	27	
DMC:   \$4,190   TMC:   \$158,893   TDC:   \$65,065   CWC:   \$2,068,6   Contractor:   NABORS 99   Nucleo:   M-IDrig, Florids   TANGBLE COST   INTANGBLE COST   I	Current:	: Operatio	ns:	DOWN TI	ME - TOP D	RIVE WONT	ROTATE - TR	OUBLE SHO	OT PROBLEM	WITH TOP	PDRIVE	TECH.
Contractor: NABORS 99	Depth:	13688'	Prog:	301	D Hrs:	7	AV ROP:	43.0	Formation:		<i>MANCOS</i>	3
No.   11.2   st P2-10 3.488 GPS   Sit st   12   13   Conductor: \$ - Loc_Cost   \$	DMC:	\$4	190	TMC:		\$158,893		TDC:	\$65,065	CWC:	\$2,0	68,023
NS	Contractor	: NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGIE	BLE COST	INT	ANGIBLE C	OST
PVPP   18/16   \$2 P2-10   3.488 GPS   Type:   MS1666D   MS164CD   Int. Csg:   \$ - Day Rate:Moving   \$ 2 det	MW:	11.2	#1 PZ-10 3.4	88 GPS	Bit #:	12	13	Conductor:	\$ -	Loc,Cost:		\$ -
Gali: 7/19/ SPM: 109 MFG: ULTERRA ULTERRA Prod Cag: \$ - Rental Tools: \$  Wit: 12.8 GPM: 380 SR: 4780 5470 Float Equp: \$ - Trocking: \$  Calido: 1 Press: 1175 Jets: 6X16'S 6X16'S Well Head: \$ - Vettor: \$  Solido: 14 AV DC: 289 TO Out: 12113 TRG/Rods: \$ - Fuel: \$ 2  MRT 15 AV DP: 194 Depth In: 11704 12113 Packers: \$ - Motors & Dir: \$  PM: 7.9 JarVel: 103 FFG: 409 1575 Tanks: \$ - Camp cost: \$  Chior: 9000 SPR #1: FPM: 18.2 34.2 Heater: \$ - Drilling Mud: \$  Ca: 40 SPR #2: WOB: 28 16/26 Pumping LT: \$ - Welder: \$  Ca: 40 SPR #2: WOB: 28 16/26 Pumping LT: \$ - Welder: \$  START END TIME ROUTS AT TOTAL DR. MAPPW: N/A 110/113 Miss: \$ - Casing Crew \$  START END TIME ROUTS AT TOTAL DR. MAPPW: N/A 110/113 Miss: \$ - Casing Crew \$  START END TIME ROUTS AT TOTAL DR. TOTAL DR. MAPPW: N/A 110/113 Miss: \$ - Mud Logging: \$  13:00 6:00 17 DOWN TIME - TOP DRIVE WONT ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH.  SEP 0.3 2008 BHT FROM TOTAL START	VIS:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:	,	\$ -
Multi-   12.8   GPM   380   SNR   4780   5470   Float Equp: \$ - Trucking: \$	PV/YP:	18/16	#2 PZ-10 3.4	188 GPS	Туре:	MS1666D	MS164CD	Int. Csg:	\$ -	Day Rate:Mov	ing	\$ 24,500
Carbon	Gel:	7/19/	SPM:	109	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
Solids:   14	WL:	12.8	GPM:	380	S/N:	4780	5470	Float Equp:	\$ -	Trucking:		\$ <u>-</u>
### 15 AV DP: 194 Depth In: 11704 12113 Packers: \$ - Motors & Dir: \$ PH : 7.9 JetVel: 103 FTG: 409 1575 tranks: \$ - Camp cost: \$  PIMM: NC/3.10 ECD: 11.37 Hrs: 22.5 46 Separator: \$ - Bits: \$  Car: 9000 Ser #1: FPH: 18.2 34.2 Heater: \$ - Drilling Mud: \$  Car: 40 Ser #2: WOB: 28 16/26 Pumping LT: \$ - Wolder: \$  Dapp ppb: 5.51 Bitm Up: 64 R-RPM: 55/60 45/60 Prime Mover: \$ - Casing Crew \$  Time Break Down: Total D.T. M-RPM: NI/A 110/113 Mise: \$ - Consultant: \$  START END TIME RU 11.3 DBLG 47 Total Rot. Hrs: 342.0 Daily Total: \$ - Mide Logging: \$  6:00 13:00 7 ORLG FR 13387'-13588' @ 43*HR Mise. 1 S - Mide Logging: \$ - Mide Libert: \$  13:00 6:00 17 DOWN TIME - TOP DRIVE WONT ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH. \$  Cum. Why: \$ 1  Cum. Why: \$ 1  Cum. Bits: \$ 12  RECEIVED BATA  Motors & Dir: \$ - Motors & Dir: \$ - Motors & Dir: \$ - Mide Logging: \$ - Mide Libert: \$ - Daily Total: \$ - Mide Libert: \$ - Mide	Cake:	1	Press:	1175	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:	;	\$ -
PHI: 7.9 JetVel: 103 FTG: 409 1575 Tanks: \$ - Camp cost: \$  PIMM: NC/3.10 ECD: 11.37 Hrs: 22.5 46 Separator: \$ - Bits: \$  Chilor: 9000 Sept 4f: FPH: 18.2 34.2 Heater: \$ - brilling Mud: \$  Ca: 40 Sept 87: WOB: 28 16/26 Pumping LT: \$ - Weider: \$  Dapp ppb: 5.51 Bitm.lp: 64 R.R.PM: 55/60 45/60 Prime Mover: \$ - Casing Crew \$  Time Break Down: Total D.T. M.R.PM: N/A 110/113 Misc: \$ - Consultant: \$  START END TIME RU 11.5 DRL0 47 Total Rot. Hrs: 342.0 Daily Total: \$ - Midd Legging: \$  6:00 13:00 7 DRLG FR 13387* 13688* @ 43/HR  13:00 6:00 17 DOWN TIME - TOP DRIVE WON'T ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH.  Cum. Wir: \$ 1  Cum. Wir: \$ 1  Cum. Bits: \$ 1	Solids:	14	AV DC:	289	TD Out:	12113		TBG/Rods:	\$	Fuel:	;	\$ 28,900
PFMH: NC/3.10   ECD:	мвт	15	AV DP:	194	Depth In:	11704	12113	Packers:	\$ -	Motors & Dir:		<u> </u>
Childrois   9000   SPR #1   FPH     18.2   34.2   Heater: \$ - Drilling Mud: \$	PH :	7.9	JetVel:	103	FTG:	409	1575	Tanks:	\$ -	Camp cost:		<u> </u>
Ca: 40 SPR #2: WOB: 28 16/26 Pumping LT: \$ - Welder: \$ Dapp ppb: 5.51 Btm.Up: 64 R-RPM: 55/60 45/60 Prime Mover: \$ - Casing Crow \$  Time Break Down: Total D.T. M-RPM: N/A 110/113 Misc: \$ - Consultant: \$ START END TIME RV111.5 DRLG 47 Total Rot. Hrs: 342.0 Daily Total: \$ - Mud Logging: \$ 6:00 13:00 7 DRLG FR 13387* 13688* @ 437/HR  13:00 6:00 17 DOWN TIME - TOP DRIVE WON'T ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH. \$  Cum. Wtr: \$ 1 Cum. Wtr: \$ 1 Cum. Bits: \$ 17 Cum.	Pf/Mf:	NC/3.10	ECD:	11.37	Hrs:	22.5	46	Separator:	\$ -	Bits:		\$ -
Dapp ppb:   5.51   Btm.Up:   64   R-RPM:   55/60   45/60   Prime Mover: \$ - Casing Crew \$	Chlor:	9000	SPR #1 :		FPH:	18.2	34.2	Heater:	\$ -	Drilling Mud:		\$4,190
Time Break Down:   Total D.T.   M-RPM:   N/A   110/113   Misc: \$ -   Consultant: \$	Ca:	40	SPR #2 :		WOB:	28	16/26	Pumping L/T:	\$ -	Welder:	;	\$ -
START   END   TIME   R/U 11.5 DRLG 47   Total Rot. Hrs:   342.0   Daily Total: \$ - Mud Logging: \$	Dapp ppb:	5.51	Btm.Up:	64	R-RPM:	55/60	45/60	Prime Mover:	\$ -	Casing Crew		\$
6:00 13:00 7 DRIG FR 13387' - 13688' @ 43'HR Misc. / Labor: \$ 13:00 6:00 17 DOWN TIME - TOP DRIVE WON'T ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH. \$  Daily Total: \$ 6  Cum. Wir: \$ 1  Cum. Fuel \$ 17  Cum. Bits: \$ 12  RECEIVED BHA  SEP () 3 2008 BIT 7-7/8  MOTOR 7  DROPH Feet To Go Depth Feet To Go Depth Feet To Go D.c.'s 6-1/4  Mesaverde 8924' 4764' Kenilworth 12064' -1624' Desert 1354' -2344' Aberdeen 12164' -1624' Lower Masaverd 10554' -3134' Aberdeen 12164' -1524' Lower Masaverd 10554' -3134' Aberdeen 12164' -1524' Desert 11604' -2004' Mancos 12414' -1214' Survey 13250 2-6  Grassy 11724' -1964' TD 15200' 1512' Survey 13250 2-7  P/U 350 K# LITH: Venting YES BKG GAS 5  S/O 250 K# FLARE: 4'-6' Gas Buster: NO CONN GAS 200  ROT. 280 K# LAST CSG.RAN: 8-5/8" SET @ 3365 PEAK GAS 6	Tir	me Break D	own:	Total D.T.	M-RPM:	N/A	110/113	Misc:	\$ -	Consultant:		\$ 1,500
13:00   6:00   17     DOWN TIME - TOP DRIVE WON'T ROTATE - TROUBLE SHOOT PROBLEM WITH TOP DRIVE TECH.   S   Daily Total: \$   Cum. Witr: \$   Cum. Witr: \$   Cum. Fuel \$   17	START	END	TIME	R/U 11.5 DRLG 47	Total	Rot. Hrs:	342.0	Daily Total:	\$ -	Mud Logging:	: :	\$
Daily Total: \$ 6	6:00	13:00	7	DRLG FR 13387' -	13688' @ 43'/ŀ	łR				Misc. / Labor:		\$ 475
Cum, Wir: \$ 1	13:00	6:00	17	DOWN TIME - TOP	DRIVE WON'T	ROTATE - TROUB	LE SHOOT PROBL	EM WITH TOP DE	RIVE TECH.			\$
Cum. Fuel   \$ 17				· · · · · · · · · · · · · · · · · · ·	·					Daily Total:	:	\$ 65,065
Cum. Bits: \$ 12								<del>, ,</del>		Cum. Wtr:		\$ 19,200
SEP 6:3 2008   BIT 7.7/8						<u> </u>				Cum. Fuel		\$ 170,690
SEP 6: 3 2008   Bit   7-7/8								<del>/&gt; - \/</del>  -		Cum. Bits:		\$ 126,000
Depth   Feet To Go   Depth   To Go   Depth   To G							nc	CEIVE	ر		BHA	
Depth   Feet To Go   Depth   To Go   To Go   Depth   To Go   To Go   Depth   To Go   To							SE	P 0 3 2008		BIT	7-7/8	1.00
Depth   Feet To Go   Depth   To Go									·	MOTOR	7	38.76
Depth   Feet To Go   Depth   To Go							DIV. OF C	DIL. GAS & MI	NING	PRODRIFT	6 3/8	10.64
Wasatch   5109'   -8579'   Sunnyside   11824'   -1864'			***************************************					,		D.C.'S	6-1/4	547.16
Wasatch   5109'   -8579'   Sunnyside   11824'   -1864'								<u> </u>		1		
Mesaverde					Depth	Feet To Go						
Lower Masaverd   10554'   -3134'   Aberdeen   12164'   -1524'				Wasatch	5109'	-8579'	Sunnyside	11824'			<del> </del>	
Castlegate 11354' -2334' Spring canyon 12284' -1404' TOTAL BHA =  Desert 11604' -2084' Mancos 12414' -1274' Survey 13250 2.4  Grassy 11724' -1964' TD 15200' 1512' Survey 13536 2.8  P/U 350 K# LITH: Venting YES BKG GAS 5  S/O 250 K# FLARE: 4'-6' Gas Buster: NO CONN GAS 200  ROT. 280 K# LAST CSG.RAN: 8-5/8" SET @ 3365 PEAK GAS 6				Mesaverde	8924'	-4764'	Kenilworth	******			-	
Desert 11604' -2084' Mancos 12414' -1274' Survey 13250 2.4   Grassy 11724' -1964' TD 15200' 1512' Survey 13536 2.8   P/U 350 K# LITH: Venting YES BKG GAS 5   S/O 250 K# FLARE: 4'-6' Gas Buster: NO CONN GAS 200   ROT. 280 K# LAST CSG.RAN: 8-5/8" SET @ 3365 PEAK GAS 6		· · · · · · · · · · · · · · · · · · ·				······································	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>					
P/U         350 K#         LITH:         Venting YES         BKG GAS         5           S/O         250 K#         FLARE:         4'-6'         Gas Buster:         NO         CONN GAS         200           ROT.         280 K#         LAST CSG.RAN:         8-5/8"         SET @         3365         PEAK GAS         6							1			1	T	597.56
P/U         350 K#         LITH:         Venting YES         BKG GAS         5           S/O         250 K#         FLARE:         4'-6'         Gas Buster:         NO         CONN GAS         200           ROT.         280 K#         LAST CSG.RAN:         8-5/8"         SET @         3365         PEAK GAS         6				1							<del>                                     </del>	2.4/171
S/O         250 K#         FLARE:         4'-6'         Gas Buster:         NO         CONN GAS         200           ROT.         280 K#         LAST CSG.RAN:         8-5/8"         SET @         3365         PEAK GAS         6			<u> </u>		11724'	-1964'	ľD	-			13536	2.8/170
ROT. 280 K# LAST CSG.RAN: 8-5/8" SET @ 3365 PEAK GAS 6					41.01			····			•	5000
												200 over
THE LIGHT 17/17 (IN MONCE 15/11)X LONGO III ALLEN IKIM (40%)											· · · · · · · · · · · · · · · · · · ·	6000 N/A
## 12   ICS   OCS   DC   LOC   B/S   G   ODC   RP	FUEL BIT#	Used:	1241 ICS	On Hand:			Co.Man B/S		ODC		1	N/A
CONDITION         0         1         WT         S         X         IN         PR			4	<del></del>	<b></b>							



**DAILY DRILLING REPORT** 

CONFIDENTIAL TIOS RIBE S-01 43-047-39773

**AFE # 60104** 

RKB: 25.6'

GPS 39N 58 109W 50 DESERT SPG FED

Mall. D	SE 44 4 40	10	RNB: 25.0	45.250		45 250	DATE	9/10/08	= RT 3.		28
	SF 41-1-10		Per.Depth	15,250		15,250	DATE		DAYS SINCE	E SPUD:	20
	: Operatio		007			1	HEAD @ 14			441/00/	
Depth:		Prog:		D Hrs:	23	AV ROP:	42.9	Formation:	r	1ANCOS	
DMC:		,974	TMC:		\$168,867	· • · · · · · · · · · · · · · · · · · ·	TDC:	\$56,039	CWC:		24,062
Contracto		BORS 99		Mud Co:	M-I Drlg. Flui	1		SLE COST		ANGIBLE (	
MW:	11.2	#1 PZ-10 3.4		Bit #:	12	13	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	18/17			Туре:	MS1666D	MS164CD	Int. Csg:	\$ -	Day Rate:Mov		\$ 24,500
Gel:	8/22/	SPM:		MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	12.4	GPM:	380	S/N:	4780	5470	Float Equp:	\$ -	Trucking:		\$ -
Cake:	1	Press:	2400	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$ 3,595
Solids:	14	AV DC:		TD Out:	12113		TBG/Rods:	\$ -	Fuel:		\$ -
MBT	17.5	AV DP:	194	Depth In:	11704	12113	Packers:	\$ -	Motors & Dir:		\$ -
PH:	7.7	JetVel:	103	FTG:	409	2562	Tanks:	<u> </u>	Camp cost:		\$ -
Pf/Mf:	NC/2.90	ECD:	11.62	Hrs:	22.5	69	Separator:	<u> </u>	Bits:		\$ 8,975
Chlor:	8000	SPR #1 :		FPH:	18.2	37.0	Heater:	\$ -	Drilling Mud:		\$ 9,974
Ca:	48	SPR #2 :		WOB:	28	16/26	Pumping L/T:	\$ -	Welder:		\$
Dapp ppb:	4.4	Btm.Up:	70	R-RPM:	55/60	45/60	Prime Mover:	\$ -	Casing Crew		\$ -
Ti	me Break D	own:	Total D.T.	M-RPM:	N/A	110/113	Misc:	\$	Consultant:		\$ 3,000
START	END	TIME	R/U 11.5 DRLG 47.	Total	Rot. Hrs:	365.0	Daily Total:	\$ -	Mud Logging:		\$ -
6:00	6:30	.5	DOWN TIME - TRA	CTION MOTOR	ON TOP DRIVE A	RCHED OUT INTER	RNALLY CHANGE	OUT BURNT EQU	Misc. / Labor:		\$ 495
			TEST TOP DRIVE	TO MAKE SURE	FUNCTIONING PE	ROPERLY					\$ -
6:30	7:00	.5	RIG DOWN CIRC.	EQUIPMENT &	REAM 90' STD - P/	U STAND TO TAG	UP WITH		Daily Total:		\$ 56,039
7:00	6:00	23	DRLG FR 13688' -	14675' @ 43'/ŀ	IR				Cum. Wtr:		\$ 19,200
									Cum. Fuel		\$ 170,690
									Cum. Bits:		\$ 134,975
						RECE	EIVED			ВНА	
									ВІТ	7-7/8	1.00
						SEP I	0 2008		MOTOR	7	38.76
						DUI 07 011 0			PRODRIFT	6 3/8	10.64
						DIV. OF OIL, G	AS & MINING		D.C.'S	6-1/4	547.16
·				Depth	Feet To Go		Depth	Feet To Go			
			Wasatch	5109'	-9566'	Sunnyside	11824'	-2851'			
			Mesaverde	8924'	-5751'	Kenilworth	12064'	-2611'			
			Lower Masaverd		-4121'	Aberdeen	12164'	-2511'			
			Castlegate	11354'	-3321'	Spring canyon	12284'	-2391'	TOTAL BHA	A =	597.56
			Desert	11604'	-3071'	Mancos	12414'	-2261'	Survey	14108	2.8/175
	<u> </u>		Grassy	11724'	-2951'	TD	15250'	575'	Survey	14395	2.9/173
P/U	387 K#	<del></del>	LITH:				Venting		BKG GAS		3500
S/O	287 K#		FLARE:	3' - 5'		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Gas Buster:		CONN GAS	3	200 over
ROT.	293 K#		LAST CSG.RA		8-5/8"	SET @	3365		PEAK GAS		6800
FUEL	Used:	987	On Hand:		3308	Co.Man	J.D. ALLEN		TRIP GAS		N/A
BIT#		ICS	OCS	DC	LOC	B/S	G	ODC	RP		
COND		0	1	WT	S	Х	IN		PR		
		<u>`</u>	<u> </u>	1	<u> </u>	<del></del>		<del>                                     </del>		·	<del></del>



## **DAILY DRILLING REPORT**

CUNFIDENIIAL
TIOS RIBE S-01
43-047-39773
DESEAT SPG FED
GPS 39N 58 109W 50

**AFE # 60104** 

Well: DSF 41-1-10-18 Per.Dep				15,250		15,250	DATE	9/11/08			29
	Operatio		Per.Depth	15,250			RIP TO 12,100		DAYS SINC	E SPUD:	
			592	D Usos	22	AV ROP:	26.9			MANCO	0
Depth: DMC:		Prog: 333	TMC:	D Hrs:	\$175,200	AV KUP:	TDC:	Formation: \$50,083	cwc:		
		BORS 99	TIVIC:	Mand Co.	M-I Drlg. Flui	de	<del> </del>		1	φ∠, ANGIBLE	
Contractor	·			Mud Co:				& COST	1		
MW:	11.2 40	*	88 GPS	Bit #:	12 7 7/8	13 7 7/8	Conductor:	\$ - \$ -	Loc,Cost:		\$ - \$ -
VIS:		SPM:		Size:		<del> </del>	Surf. Csg:		Rig Move:		
PV/YP:			110	Type:	MS1666D ULTERRA	MS164CD ULTERRA	Int. Csg:	\$ - \$ -	Day Rate:Mov	ing	\$ 24,500 \$ 5,500
Gel:		SPM:		MFG:		<u> </u>	Prod Csg:	•	Rental Tools:		
WL:	12.4	GPM:	384	S/N:	4780	5470	Float Equp:	\$ -	Trucking:		\$ 300
Cake:	1	Press:	2407	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:	,	\$
Solids:	16	AV DC:	,	TD Out:	12113	15267	TBG/Rods:	\$ -	Fuel:		\$ -
МВТ	17.5	AV DP:	196	Depth In:	11704	12113	Packers:	\$ -	Motors & Dir:		\$ -
PH:	7.9	JetVel:	105	FTG:	409	3154	Tanks:	\$ -	Camp cost:		\$ 1,250
Pf/Mf:		ECD:	11.62	Hrs:	22.5	91	Separator:	\$ -	Bits:		\$
Chlor:	7000	SPR #1 :		FPH:	18.2	34.7	Heater:	\$ -	Drilling Mud:		\$ 6,333
Ca:	48	SPR #2 :						\$ - \$ -	Welder:		\$ -
Dapp ppb:	4	Btm.Up:	73.3	R-RPM:	55/60		Prime Mover:	Casing Crew		\$ -	
Tic	me Break D	own:	Total D.T.	M-RPM:	N/A	112	Misc:	\$ -	Consultant:		\$ 3,000
START	END	TIME	R/U 11.5 DRLG 47.	Total	Rot. Hrs:	387.0	Daily Total:	\$ -	Mud Logging:		\$ -
6:00	15:00	9	DRILL F/14,675' TO 14,900' @ 25'/HR						Misc. / Labor:		\$ 9,200
15:00	15:30	.5	RIG SERVICE &	TOP DRIVE							\$ -
15:30	04:30	13	DRILL F/14,900'	TO 15,267' @	28'/HR. (T.D. WI	ELL @ 15,267')			Daily Total:	:	\$ 50,083
04:30	05:00	.5	CIRC. & PUMP 2	OBBL SLUG F	OR SHORT TRIP	TO 12,100' {Fla	re 6' to 8'}		Cum. Wtr:		\$ 19,200
05:00	06:00	1	SHORT TRIP TO	12,100' PRES	SENT DEPTH @ (				Cum. Fuel		\$ 170,690
						- RE	CEIVE	)	Cum. Bits:		\$ 134,975
									<u> </u>	ВНА	
						S	P 1 1 2008	<u> </u>	BIT	7-7/8	1.00
									MOTOR	7	38.76
						DIV. OF	OIL, GAS & M	INING	PRODRIFT	6 3/8	10.64
									D.C.'S	6-1/4	547.16
				Depth	Feet To Go		Depth	Feet To Go			
			Wasatch	5109'	-10158'	Sunnyside	11824'	-3443'			
			Mesaverde	8924'	-6343'	Kenilworth	12064'	-3203'			
			Lower Masavero	10554'	-4713'	Aberdeen	12164'	-3103'			
			Castlegate	11354'	-3913'	Spring canyon	12284'	-2983'	TOTAL BH	A =	597.56
			Desert	11604'	-3663'	Mancos	12414'	-2853'	Survey	14108	2.8/175
			Grassy	11724'	-3543'	TD	15250'	-17'	Survey	14395	2.9/173
P/U	397 K#		LITH:				Venting	YES	BKG GAS		3500
S/O	280 K#		FLARE:	LAST 5 HRS	6' TO 8' FLAR	E	Gas Buster:	NO	CONN GAS	3	200 OVER
ROT.	298 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS		6875
FUEL	Used: 1807 On Hand: 11501 Co.Man JIM WEIR				TRIP GAS		N/A				
BIT#	BIT# 13 ICS OCS DC			LOC	B/S	G	ODC	RP			
COND	CONDITION			<u> </u>	<u> </u>	Х	<u> </u>	l			



DAILY DRILLING REPORT

T105R18E S-01 43-047-39773 DESERT SPG FED GPS 39N 58 109W 50

CONFIDENTIAL

**AFE # 60104** 

RKR: 25.61

RKB: 25.6'									.,		
Well: DS	SF 41-1-10	-18	Per.Depth	15,250		15,250	DATE	9/12/08	DAYS SINC	E SPUD:	30
Current	: Operatio	ns:			•	LOGG	ING WELL				
Depth:	15267'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:	I	MANCO	S
DMC:	\$1,	000	TMC:		\$185,200		TDC:	\$46,500	CWC:	\$2,	220,645
Contractor	r: NA	BORS 99		Mud Co:	M-I Drlg. Fluid	ds	TANGI	BLE COST	INT	ANGIBLE	COST
MW:	11.2	#1 PZ-10 3.4	88 GPS	Bit #:	12	13	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	40	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:		\$ -
PV/YP:	17/16	# <b>2</b> PZ-10 3.4	188 GPS	Type:	MS1666D	MS164CD	Int. Csg:	\$ -	Day Rate:Mov	/ing	\$ 24,500
Gel:	10/23	SPM:	110	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	12.4	GPM:	384	S/N:	4780	5470	Float Equp:	\$ -	Trucking:		\$
Cake:	1	Press:	2407	Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$
Solids:	16	AV DC:	362	TD Out:	12113	15267	TBG/Rods:	\$ -	Fuel:		\$ -
мвт	17.5	AV DP:	196	Depth In:	11704	12113	Packers:	\$ -	Motors & Dir:		\$ -
PH:	7.9	JetVel:	105	FTG:	409	3154	Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/2.70	ECD:	11.62	Hrs:	22.5	91	Separator:	\$ -	Bits:		\$ 12,500
Chlor:	7000	SPR #1 :		FPH:	18.2	34.7	Heater:	\$ -	Drilling Mud:		\$ 1,000
Ca:	48	SPR #2 :		WOB:	28	16/26	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4	Btm.Up:	73.3	R-RPM:	55/60	60	Prime Mover:	\$ -	Casing Crew		\$ -
Tiı	me Break D	own:	Total D.T.	M-RPM:	N/A	112	Misc:	\$ -	Consultant:		\$3,000
START	END	TIME	R/U 11.5 DRLG 47.	Tota	Rot. Hrs:	387.0	Daily Total:	\$ -	Mud Logging	:	\$ -
6:00	09:30	3.5	SHORT TRIP TO	12,100' RUN	BACK IN HOLE (N	IO FILL)			Misc. / Labor:		\$
09:30	13:00	3.5	CIRC. & CONDIT	ION MUD SLI	JG DRILL PIPE						\$ -
13:00	22:00	9	POOH FOR LOG	S L/D BIT & F	RO DRIFT TOOL				Daily Total	:	\$ 46,500
22:00	23:00	1	CLEAN OFF RIG	FLOOR & HO	OLD PJSM W/BAK	ER ATLAS ASSI	ST BAKER ATL	AS RIG UP TO	Cum. Wtr:		\$ 19,200
			LOG WELL						Cum. Fuel		\$ 170,690
23:00	01:00	2	M/U M-SLAM, DI	JAL LAT. TOO	L + SOURCE				Cum. Bits:		\$ 147,475
01:00	06:00	5	RIH W/ LOGS O	N BOTTOM A	T 04:00 HOURS W	IRE LINE DEPTH	l = 15,250'			ВНА	
									BIT	7-7/8	1.00
			MONTIOR WELL	WHILE LOG	GING FOR ANY FL	OW. NO FLOY	1		MOTOR	7	38.76
									PRODRIFT	6 3/8	10.64
									D.C.'S	6-1/4	547.16
	RECE	VFD		Depth	Feet To Go		Depth	Feet To Go			
	SEP 12	2008	Wasatch	5109'	-10158'	Sunnyside	11824'	-3443'			
	JLI I Z	2000	Mesaverde	8924'	-6343'	Kenilworth	12064'	-3203'			
VII.C	DF OIL, GA	C R MINIMO	Lower Masaverd	10554'	-4713'	Aberdeen	12164'	-3103'			
IJV.	Dr Oil, an	O & WIIIVIIV	Castlegate	11354'	-3913'	Spring canyon	12284'	-2983'	TOTAL BH	A =	597.56
			Desert	11604'	-3663'	Mancos	12414'	-2853'	Survey	14108	2.8/175
			Grassy	11724'	-3543'	TD	15250'	-17'	Survey	14395	2.9/173
P/U	397 K#		LITH:				Venting	YES	BKG GAS		3400
S/O	280 K#		FLARE:				Gas Buster:	NO	CONN GAS	3	200 OVER
ROT.	298 K#		LAST CSG.RA	N:	8-5/8"	SET @	3365		PEAK GAS	3	6875
FUEL	Used:	636	On Hand:		0865	Co.Man	JIM WEIR		SHORT TR	IP GAS	7550
BIT #	13 ITION	ICS	ocs	DC	LOC	B/S	G	ODC	RP		
COND	IIUN	0	11	WC/DL	NOSE/SHOULDER	X		BU	TD	L	



RKB: 25.6'

# **GASCO ENERGY**

**DAILY DRILLING REPORT** 

CONFIDENTIAL TIOS R 18ES-01 43-049-39793

**AFE # 60104** 

GPS 39N 58 109W 50 DESERT SPG FED

Well- De	SF 41-1-1(	1_18	Per.Depth	9/14/08			32				
	: Operation	······································	rei.Dehiii	15,250	DIU 9	15,250 TRIPPING O	DATE WIRE I		DAYS SINC	E SPUD:	- J4
		Prog:	L	D Hrs:	KIN 3	AV ROP:	#DIV/0!	F		MANCO	
Depth: DMC:	·	Prog: \$0	TMC:	D HIS:	\$185,200	AV ROP:	TDC:	Formation:	lcwc:		
_		ABORS 99	I I W.C.	Marie Co.		do		\$87,200			386,745
Contractor	1	F		Mud Co:	M-I Drlg. Flui	T	î	BLE COST		ANGIBLE	
MW: F/PITS	11.2 38	#1 PZ-10 3.4	88 GPS	Bit #:	12 7 7/8	13	Conductor:	\$ - \$ -	Loc,Cost:		\$ -
VIS:		SPM:		Size:	· · · · · · · · · · · · · · · · · · ·	7 7/8	Surf. Csg:	<del></del>	Rig Move:	_	\$ -
PV/YP:	†	1	88 GPS	Туре:	MS1666D	MS164CD	Int. Csg:	\$ -	Day Rate:Mov	ring	\$ 24,500
Gel:	8/19	SPM:		MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:		\$ 5,500
WL:	14.4	GPM:		S/N:	4780	5470	Float Equp:	\$ -	Trucking:	·	\$
Cake:	2	Press:		Jets:	6X16's	6X16's	Well Head:	\$ -	Water:		\$
Solids:	15	AV DC:	362	TD Out:	12113	15267	TBG/Rods:	\$ -	Fuel:		\$ -
MBT	15	AV DP:	196	Depth In:	11704	12113	Packers:	<u> </u>	Fishing:		\$ 54,000
PH:	7.8	JetVel:	105	FTG:	409	3154	Tanks:	<u> </u>	Camp cost:		\$
Pf/Mf:	NC/3.7	ECD:	11.62	Hrs:	22.5	91	Separator:	<u> </u>	Bits:		\$
Chlor:	7000	SPR #1 :		FPH:	18.2	34.7	Heater:	\$ -	Drilling Mud:		\$
Ca:	40	SPR #2 :		WOB:	28	16/26	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4	Btm.Up:	73.3	R-RPM:	55/60	60	Prime Mover:	\$ -	Casing Crew		\$ -
Ti	me Break D	own:	Total D.T.	M-RPM:	N/A	112	Misc:	\$ -	Consultant:		\$1,500
START	END	TIME	R/U 11.5 DRLG 48	Total	Rot. Hrs:	387.0	Daily Total:	\$ -	Mud Logging	<u> </u>	\$ -
6:00	07:00	1	CONTINUE RIH ST	RIPPING OVER	WIER CABLE TO	6132'			Misc. / Labor:		\$ 1,700
07:00	07:30	.5	R/U CIRC. SUB & I	BREAK CIRC. @	@ 6132' OK						\$ -
07:30	09:30	2	CONT. RIH STRIPI	ING OVER WIF	RE LINE TO 6873' (\	WIRE CABLE FREE	Ε)		Daily Total	: .	\$ 87,200
09:30	12:30	3	CUT WIRE LINE TI	E KNOT IN WIR	E LINE & PULL LO	GGING TOOLS UF	TO 7123' & RE H	EAD WIRE LINE CA	Cum. Wtr:		\$ 19,200
12:30	13:30	1	ATTEMPT TO BRE	AK CIRC. WITH	I NO SUCCESS				Cum. Fuel		\$ 170,690
13:30	14:30	1	WENT TO P/U DRI	LL STRING & S	TUCK @ 6873' P/U	SINGLE TO HAVE	ENOUGH ROOM	TO WORK DRILL	Cum. Bits:		\$ 147,475
			STRING DOWN. A	FTER WORKING	BETWEEN 140K	UP & 40K DOWN P	PIPE CAME FREE	@ 6910'		ВНА	
14:30	16:30	2			IG TOOL STARTED	·	*		BIT	7-7/8	1.00
16:30	20:00	3.5			910'- CUT WIRE LI			NG TOOL WITH IN	MOTOR	7	38.76
					<del></del>			STRING TO VERIF		6 3/8	10.64
							·····	R SURE. PRESS. U		6-1/4	547.16
		<u> </u>			ERIFY LOGGING				<u> </u>		,,,,,
20:00	22:30	2.5			WIRE LINE FROM R			KNOT IN WIRE			
						<del></del>					
22:30	04:30	0:00	POOH WITH DRILL	PIPE FISH IN	HOLE & R/D BAKE		HECE	VED -			
04:30	06:00	12:00	L/D LOGGING TO			·····	CED 1 L	2008			
04.50	00.00	12.00	LID LOGGING I	JOES & FISHI	NG TOOLS.		JEF 13	2 2000	TOTAL BH	└───┴ <b>∆</b> =	597.56
	<u> </u>					.~.	V OF OIL G	S & MINING	Survey	14108	2.8/175
						<u></u>	IV. UT UIL. W	TO OCIDILITIES	Survey	14395	2.9/173
D/II	207 V#	L	I ITU:		·		Venting	YES	BKG GAS	17000	0
P/U	397 K#		LITH:		· ,		Gas Buster:		CONN GAS		0
S/O	280 K#		FLARE:		0.5/01	CET @		**			
ROT.	298 K#		LAST CSG.RA	***	8-5/8"	SET @	3365		PEAK GAS		0
FUEL BIT#	Used: 13	738 I ICS	On Hand: OCS	DC	9282 LOC	Co.Man B/S	JIM WEIR G	ODC	SHORT TR	IP GAS	0
COND		0	1		NOSE/SHOULDER	<del>                                     </del>	<del>                                     </del>	BU	TD		
		•	1			<del> </del>		<u> </u>	·	•	



#### DAILY DRILLING REPORT

AFE # 60104

UNFIDENTIAL

TIOS RIBE S-01

43-047-39773

DESERT SPG FED

GPS 39N 58 109W 50

RKB: 25.6'

Well: DSF 41-1-10-18 Per.Depth 15,370 15,370 **DATE** 9/18/08 36 DAYS SINCE SPUD: Current: Operations: 15370' Prog: #DIV/0! Depth: D Hrs: AV ROP: Formation: **MANCOS** DMC: \$6,600 TMC: \$206,700 TDC: \$61,500 CWC: \$2,689,345 NABORS 99 INTANGIBLE COST Contractor: Mud Co: M-I Drlg. Fluids TANGIBLE COST 11.4 **RR13** MW: F/PITS #1 PZ-10 3.488 GPS Bit #: 13 Conductor: \$ \$ Loc.Cost: \$ VIS: 44 SPM: Size: 7 7/8 7 7/8 Surf. Csg: Rig Move: \$ 14/19 MS164CD \$ PV/YP: #2 PZ-10 3.488 GPS MS164CD \$ 24,500 Type: Int. Csg: Day Rate:Moving 7/19 SPM: 105 MFG: **ULTERRA ULTERRA** Prod Csg: \$ Rental Tools: \$ 5,500 Gel: 13.8 GPM: 370 5470 5470 \$ \$ WL: S/N: Float Equp: Trucking: \$ 2 1400 6X16's 6X16's \$ Cake: Press: Jets: Well Head: Water: 15 AV DC: 307 TD Out: 15267 15370 TBG/Rods: \$ \$ Solids: Fuel: 13.75 AV DP: 187 12113 15267 \$ \$ MBT Depth In: Packers: Fishing: 7.6 100 \$ 1,600 3154 \$ PH: JetVel: FTG: 103 Tanks: Camp cost: NC/4.7 11.83 91 6.5 \$ \$ Pf/Mf: ECD: Hrs: Separator: Bits: 7000 34.7 16.0 \$ \$ 6,600 SPR #1 : FPH: Heater: Drilling Mud: Chlor: 40 16/26 \$ \$ SPR #2: WOB: 20/26 Pumping L/T: Welder: Ca: \$ 4.25 78 60 60/65 \$ Btm.Up: R-RPM: Prime Mover: **Casing Crew** Dapp ppb: Time Break Down: 112 NA \$ \$1,500 Total D.T. M-RPM: Misc: Consultant: 393.5 21,800 START **END** TIME R/U 11.5 DRLG 48 Total Rot. Hrs: Daily Total: \$ Electric logging: \$ 14:30 \$ 6:00 8.5 CONTINUE POOH L/D BIT Misc. / Labor: 14:30 15:00 .5 WAIT ON LOGGING TRUCK 1/2 HOUR CLEAN OFF DRILL FLOOR \$ \$ 15:00 16:30 1.5 HOLD PJSJ & R/U LOGGING TOOLS **Daily Total:** 61,500 18:00 1.5 \$ 24,400 16:30 RIH W/STAR IMAGER TOOL ON BOTTOM @ 18:00 NO PROBLEM. WHILE LOGGING UP HOLE WAS STICK 🕽 WATER \$ 170,690 THE TOOL WOULD STICK & THEN PULL FREE THEREFORE DATA WAS NO GOOD. PULLED UP TO 14,500 Cum. Fuel \$ 171,445 AT 10' PER/HR. THEN ATTEMPT TO INCREASE DRUM SPEED SO WE COULD PULL A CONSISTENT TOOL Cum. Bits: BHA SPEED, BEFORE GOING BACK TO BOTTOM. STILL STICKY & TENSION INCREASED ON BOTH TOOL & CABLE. AT LAST PULL ALL TENSION WAS ON THE CABLE & NO TENSION ON TOOL. SO DECIDED TO 1.00 7-7/8 RIT 3.28 PULL OUT OF HOLE WITH LOGGING TOOL 6 BS 547.16 18:00 23:30 5 POOH WITH LOGGING TOOL & R/D SAME DC's 6 1/4 23:30 04:00 4.5 RIH SLOW 5848' SET DOWN 25K P/U & ATTEMPT TO BREAK CIRC. LOST 95 BBLS 04:00 06:00 1.5 POOH TO 4765' & ADD LCM TO MUD & ATTEMPT TO GET CIRC. LOST 75 BBLS FINALLY HAVE FULL RETURNS. WHILE CIRC. WE ARE BUILDING VOLUME & WORKING DRILL STRING RECEIVED <del>SEP 1 8 2008</del> TOTAL BHA = 551.44 DIV. OF OIL, GAS & MINING 14108 2.8/175 Survey 14395 2.9/173 Survey P/U 405 K# LITH: Venting YES **BKG GAS** 0 Gas Buster: NO **CONN GAS** 0 S/O 275 K# FLARE: **PEAK GAS** 0 ROT. 300 K# LAST CSG.RAN: 8-5/8" SET@ 3365 **SHORT TRIP GAS** 6733 JIM WEIR 0 FUEL On Hand: Co.Man Used: 738 B/S ODC ICS ocs DC G ŘΡ BIT# 13 LOC CONDITION WC/DL BU TD 0 1 NOSE/SHOULDER Х



## **DAILY DRILLING REPORT**

# AFE # 60104

CUNFIDENTIAL TIOS R 18E S-01 43-049-39993

GPS 39N 58 109W 50

								0/40/00			
	F 41-1-10		Per.Depth	15,370		15,370	DATE	9/19/08	DAYS SINC	E SPUD:	37
Current:						DISPLACE H		PPG			
Depth:	15370'	Prog:		D Hrs:		AV ROP:	#DIV/0!	Formation:	^	MANCOS	3
DMC:		2,000	TMC:		\$218,700		TDC:	\$43,500	CWC:	\$2,7	32,845
Contractor:	NA	BORS 99		Mud Co:	M-I Drlg. Flui	ds	TANGI	BLE COST	INT	ANGIBLE C	OST
MW: F/PITS	11.4	#1 PZ-10 3.4	88 GPS	Bit #:	13	RR13	Conductor:	\$ -	Loc,Cost:		\$ -
VIS:	44	SPM:		Size:	7 7/8	7 7/8	Surf. Csg:	\$ -	Rig Move:	;	\$
PV/YP:	14/19	# <b>2</b> PZ-10 3.4	88 GPS	Туре:	MS164CD	MS164CD	Int. Csg:	\$ <u>-</u>	Day Rate:Mov	ring	\$ 24,500
Gel:	7/19	SPM:	105	MFG:	ULTERRA	ULTERRA	Prod Csg:	\$ -	Rental Tools:	. ;	\$ 5,500
WL:	13.8	GPM:	370	S/N:	5470	5470	Float Equp:	\$ -	Trucking:		\$
Cake:	2	Press:	1400	Jets:	6X16's	6X16's	Well Head:	\$	Water:		\$
Solids:	15	AV DC:	307	TD Out:	15267	15370	TBG/Rods:	\$	Fuel:		\$ -
MBT	13.75	AV DP:	187	Depth In:	12113	15267	Packers:	\$ -	Fishing:	:	\$
PH :	7.6	JetVel:	100	FTG:	3154	103	Tanks:	\$ -	Camp cost:		\$
Pf/Mf:	NC/4.7	ECD:	11.83	Hrs:	91	6.5	Separator:	\$ -	Bits:		\$
Chlor:	7000	SPR #1 :		FPH:	34.7	16.0	Heater:	\$ -	Drilling Mud:	,	\$ 12,000
Ca:	40	SPR #2 :		WOB:	16/26	20/26	Pumping L/T:	\$ -	Welder:		\$ -
Dapp ppb:	4.25	Btm.Up:	78	R-RPM:	60	60/65	Prime Mover:	\$ -	Casing Crew		\$ -
Tim	ne Break D	own:	Total D.T.	M-RPM:	112	NA	Misc:	\$ -	Consultant:	\$	1,500
START	END	TIME	R/U 11.5 DRLG 48	Total	Rot. Hrs:	393.5	Daily Total:	\$ -	Electric loggii	ng:	\$
6:00	08:00	2	CIRC. & BUILD VO	LUME DUE TO	LOST CIRC. 2 4765	HAVE RETURNS			Misc. / Labor:		\$
08:00	08:30	.5	RIH TO 5600' TIGH								\$ -
08:30	09:00	.5		Table To Tab	GHT SPOT TO 5690	) OK			Daily Total:	:	\$ 43,500
09:00	10:00	1	RIH F/5690' TO 65	87' OK		······			WATER		\$ 24,400
10:00	17:00	7	REAM & WASH TH	IRU CURVE F/6	587' TO 7554' {WITI	H 2K TO 4K WOB)			Cum. Fuel		\$ 170,690
17:00	19:00	2	CONT. RIH TO 950				ECEIVE	<u>ה</u>	Cum. Bits:		\$ 171,445
19:00	19:30	0.5	CIRC. WITH FULL	RETURNS						ВНА	
19:30	21:30	2	CONT. RIH TO 12,		<del></del>	S	EP 19 200	8	BIT	7-7/8	1.00
21:30	22:00	.5	BREAK CIRC. OK		s				BS	6	3.28
22:00	23:00	1	CONT RIH TO 14,0			DIV. OF	OIL, GAS & N	IINING	DC's	6 1/4	547.16
23:00	00:00	1	WASH & REAM F/		96'		<del> </del>				
00:00	01:00	1	CONT RIH TO 14,9	<del> </del>							
01:00	02:30	1.5	WASH & REAM F/		70'						
02:30	03:00	.5	CIRC. WITH FULL		<del></del>						
03:00	05:00	2	SHORT TRIP 12 S		····						
05:00	06:00	1		***************************************	HOLE W/200 BE	LS OF 13.4 PPG	TO COVER MA	NCOS FORM			···········
90.00	00.00		OINO. G OTAIN	DIO! EXCENT	7.1022 111200 32				TOTAL BH	A =	551.44
										14108	2.8/175
	<del></del>			<u> </u>			,		<del> </del>	14395	2.9/173
P/U	405 K#	<u>.                                    </u>	LITH:				Venting	YES	BKG GAS		0
S/O	275 K#		FLARE:	20' TO 28'			Gas Buster:		CONN GAS		0
ROT.	300 K#				8-5/8"	SET @	3365		PEAK GAS		8758
	Jsed:	852	LAST CSG.RA On Hand:		<b>6-5/6</b> 5881	S⊏⊺@ Co.Man	JIM WEIR		SHORT TR		0
BIT#	13	ICS	Oli Halid:	DC	LOC	B/S	G	ODC	RP	37.3	
CONDIT		0	1	WC/DL	NOSE/SHOULDER	Х	l I	BU	TD		

. Form 3160- 5 (April 2004)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR

		9 8 x on . 1	19
FORM APPROVE	PR E S A S.	MEIN	1
OMB No. 1004- 01	4		31

7	OMB No. 1004-013
	Expires: Meanh 21 00

BUREAU OF LAND MANAGEMENT					Expires: March 31, 2007	
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an				5. Lease Seria	No. UTU-013820 Ilottee, or Tribe Name	
apan	doned well. Use Form 3160-3 (	(APD) for such p	roposals.	o. II mulan, A	NA	
SUBMIT IN TH	RIPLICATE - Other Instruction	ons on reverse :	side.	7. If Unit or C	A. Agreement Name and/or No.	
1. Type of Well Oil Well X Gas Well	Other			8. Well Name	NA	
2. Name of Operator				1		
Gasco Production Company	v.			Desert S	pring Federal 41-1-10-18	
3a. Address		3b. Phone No. (inc.		<ol><li>API Well N</li></ol>	<del></del>	
8 Inverness Drive East Ste	100 Englewood, Co 80112		,	10 5 11 15	43-047-39773	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)	303-4	83-0044	10. Field and Pool, or Exploratory Area		
2251 FAIT 9, 5421 FFFF				Wildcat		
	NE NE of Section 1-T10S-R	1 Ó E		11. County or 1	11. County or Parish, State	
					Uintah, Utah	
The of the factor	PRIATE BOX(S) TO INDICAT	LE NATURE OF	NOTICE, REPOR	T, OR OTHE	ER DATA	
TYPE OF SUBMISSION	TYPE OF SUBMISSION TYPE OF ACTION					
X Notice of Intent	Acidize	Deepen	Production ( Sta	art/ Resume)	Water Shut-off	
<b></b>	Altering Casing	Fracture Treat	Reclamation		Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recomplete		X Other Keep data	
	Change Plans	Plug and abandon	Temporarily Ab	oandon	confidential	
Final Abandonment Notice	Convert to Injection	Plug back	Water Disposal			

Gasco Production Company will be moving a rig onto this location to start drilling within the next few weeks we respectfully request that you keep all records confidential for as long of a period as possible.

RECEIVED

SEP 2 9 2003

DIV. OF OIL, GAS & MINING

		,
14. I hereby certify that the foregoing is true and correct.  Name (Printed/ Typed)		
Beverly Walker	Title	Engineering Technician
Signature Della May 18 18 18 18	Date	August 5, 2008
THIS SPACE FOR FEDE	RAL OR STAT	F OFFICE USE
		2 011 102 002
Approved by  Conditions of approval, if any are attached. Approval of this notice does not warrant	Title	Date
certify that the applicant holds legal or equitable title to those rights in the subject le which would entitle the applicant to conduct operations there	ease Office	
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime States any false, fictitiousor fraudulent statements or representations as to any matter with the statements of t	for any person know	wingly and willfully to make any department or agency of the United

(Instructions on page 2)

<sup>13.</sup> Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Form 3160-5 (April 2004)	SUNDRY Do not use th	UNITED STATES DEPARTMENT OF THE BUREAU OF LAND MAN NOTICES AND REF nis form for proposals to ell. Use Form 3160-3 (A	AGEMENT PORTS ON WEI To drill or to re-e	enter an	5. Lease Serial UTU	FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007 No013820 Allottee or Tribe Name	
S 1. Type of W	UBMIT IN TR	IPLICATE- Other instr	uctions on rever	se side.	7. If Unit or N/A	CA/Agreement, Name and/or No.	
		Gas Well Other			8. Well Nam	ne and No. Spring Federal 41-1-10-18	_
2. Name of Op	erator GASCO PRO	DDUCTION COMPANY			9. API Wel		_
3a. Address 8 INVERNI	ESS DR. E, # 100,	ENGLEWOOD, CO 80112	3b. Phone No. (include 303-483-0044	e area code)		3-047-39773 Pool, or Exploratory Area	
4. Location of	Well (Footage, Sec.,	T., R., M., or Survey Description)			Wild		
225' FNL & NE NE of S	& 543' FEL Section 1-T10S-R18	BE			11. County o	r Parish, State Utah	
	12. CHECK AI	PPROPRIATE BOX(ES) TO	INDICATE NATUR	E OF NOTICE, R	EPORT, OR	OTHER DATA	
TYPE OF	SUBMISSION		TYI	PE OF ACTION			
-	f Intent ent Report vandonment Notice	Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (Sta Reclamation Recomplete Temporarily Ab Water Disposal	,	Water Shut-Off Well Integrity Complete and commingle multiple pay zones	
If the pro Attach th following testing ha determin	posal is to deepen dire the Bond under which the g completion of the inva- as been completed. Fir- ed that the site is ready	ectionally or recomplete horizontall the work will be performed or provi- volved operations. If the operation nal Abandonment Notices shall be y for final inspection.)	ly, give subsurface location ide the Bond No. on file was results in a multiple compartied only after all require	ns and measured and tru with BLM/BIA. Require oletion or recompletion in ments, including reclama	e vertical depths and subsequent re an a new interval ation, have been	, a Form 3160-4 shall be filed once a completed, and the operator has	•
		on Report will be submitted.	s and Mesaverde, and	a to commingle prod	uction from the	nese intervals. Following the f	IN
No new surfa	ce disturbance is a	anticipated. If any is necessar	y, prior approval will t	pe obtained.			
If required, the volume calcul		account for and to allocate pr	oduction from each pe	ool so commingled v	vill be by indi	vidual interval hydrocarbon po	ore
the 15-day pe	riod of objection p	he owner of all contiguous oil er UDOGM Rule 649-3-22(3) notification of the aforementio	, and respectfully requ			asco herewith waive it's right on accept this NOI in lieu of the	to
Attachment: E	Exhibit showing the	e location of all wells on conti	guous oil and gas lea:	se or drilling units ov	erlying the su	ubject pools.	

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)					
Matthew Owens	Title Petroleum Engineer I				
Signature Furl Jun	Date 10/15/08				
THIS SPACE FOR FEDERAL OR STATE OFFICE USE					
Approved by SUCI	Title Ret Eng. Date 11/18/08				
Conditions of approval, if any, are attached. Approval of this notice does not warrar certify that the applicant holds legal or equitable title to those rights in the subject leads which would entitle the applicant to conduct operations thereon.					
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter	person knowingly and willfully to make to any department of geacy full. United within its jurisdiction.				

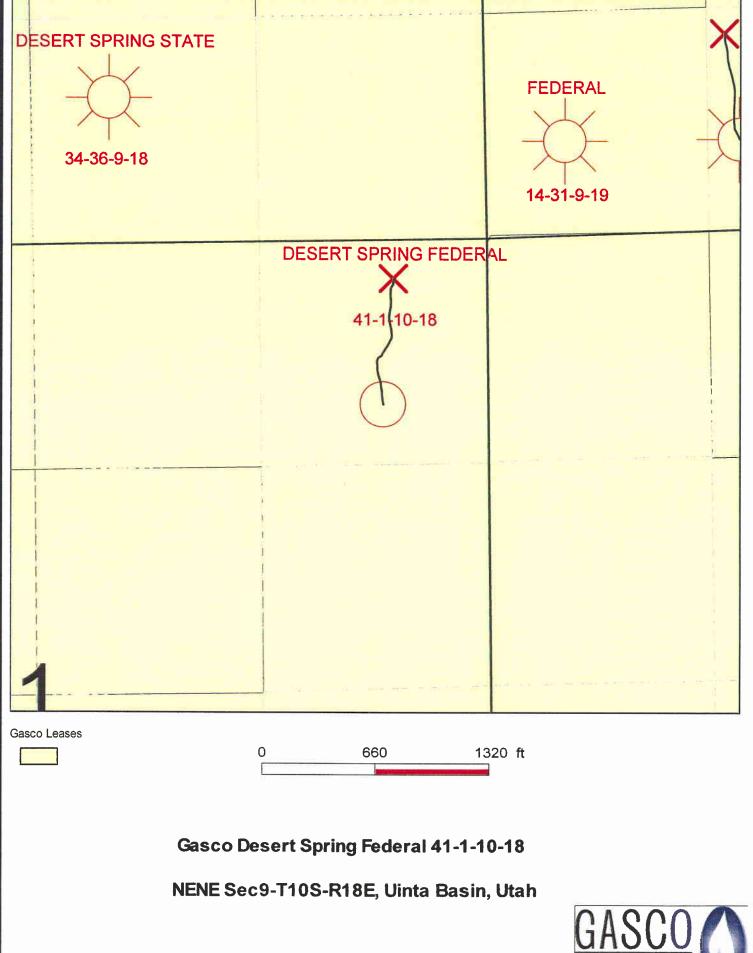
(Instructions on page 2)

COPY SENT TO OPERATOR

OCT 2 0 2008

Initials: 165

DIV. OF OIL, GAS & MINING





# **GASCO Production Company**

Lease: Desert Spring Federal 41-1-10-18

UTU-013820

Legal: Section 1, T10S – R18E Uinta County, UT

API: 043-047-39773



TOC inside surface csg.

9/23/08	Final Drilling Report (PME) CC \$3,455,300
9/24/08	Trash & Fittings (PME) DC \$2287 CC \$3,457,587
10/01/08	Tank Battery (PME) DC \$28,643 CC \$3,486,230
10/02/08	Tanks & Delivery (PME) DC \$ 18,689 CC \$3,534,873
10/21/08	Misc costs: Fittings, Trash, Diklor (PME) DC \$54,558 CC \$3,570,742
10/27/08	Frac water / Disposal (PME) DC \$ 19,608 CC \$3,590,350
10/30/08	Plunger lift Equipment, Meter house (PME) DC \$20,417 CC \$3,610,767
Completions	

# Completion:

11/1/08 RU JW wireline, TOC inside surface csg.

RU stinger isolation tool. RU B&C quick test. Test csg to 11,500 psi. RU JW wire line RIH w/guns. Perf stage-1 Mancos I f/15,257-61, psi up to 9,500 and perfs would not break dn. Perf from 15,174-78' break dn perfs w/8,800 @ 2 bpm. Finish perf f/15,149-53'. POOH. RU to frac. pump into perfs w/8,978 @ 3.6 bpm. SD. ISIP 8,401 FG. 1.0 Pump 1,000 gal 7.5% HCL acid. FR slick water/linear gel frac well w/80,000# 40/70 prime plus sand, 5,179 bbls FR slick water/linear gel, flush w/224 bbls 2% kcl. SD. ISIP 8,416 FG 1.0 Average rate 35 bpm, average psi 10,300. RIH w/plug and guns. Set 10k magnum bio ball FTFP @ 13,970' Perf stage-2 Mancos II f/13,923-27' break dn perfs w/8,850 @ 3 bpm. Finish perf f/13,693-97', 13,733-37', 13,749-53', 13,763-67', 13,784-88'. POOH. SWI SDFD. (JD)

Fd sicp 8,277. RU to frac. Pump into perfs w/10,044 @ 5 bpm. Pump 1,000 gal 7.5% hcl break dn. FR slick water/linear gel frac well w/4,447 bbls FR slick water/linear gel, and flushed w/210 bbls 2% kcl, 65,000# 40/70 prime plus sand, Drop 15 ball sealers, 5 after first 1# stage did not see them hit. 5 after second 1# stage did not see them hit. 5 after 1.25# stage saw good ball action.SD. ISIP7,234 FG .97 Average psi 10,300 average rate 38 RIH w/plug and guns. Set 10k magnum bio ball FTFP @

RECEIVED NOV 2 5 2008

13,670' Perf stage-3 Mancos III f/13,643-47' break dn perfs w/9,500 @ 2 bpm. Finish perf f/13,480-84', 13,496-500', 13,532-36', 13,560-64', 13,628-32', 13,643-47'. POOH. RU to frac. Break dn perfs w/7,900 @ 3 bpm. SD. ISIP 7,277 FG .98 . Pump 1,000 gal 7.5% hcl. Rate 35 psi @ 11,000. Back rate dn to 26 and pump 500 gal 7.5% hcl. Psi broke over dn to 9,500 @ 30 bpm. Lost computers on van @ end of pad. SD. Openwell up to fb w/SDFD. (JD)

7:00 a.m. 7,600 on a 10/64 ck. Made 847 bbls, BLWTR 9,913 bbls.

7:00 a.m. 7,100 on a 10/64 ck. Made 1,089 bbls, TR 1,936 bbls, BLWTR 8,824 bbls.

5:00 am. 6,350 on a 10/64 ck. Made 720 bbls in 24 hrs, TR 2,656 bbls, BLWTR 8,104 bbls. RU and pump flush on well w/7,350 @ 10 bpm. RIH w/plug. Set 10k Magnum bio ball FTFP @ 13,668'. POOH. RU to frac. Pump into perfs w/7,984 @ 5 bpm. FR slick water/linear gel frac well w/86,700# 40/70 Prime plus sand, 5,172 bbls Fr slick water/linear gel, and flushed w/200 bbls 2% kcl. SD. ISIP 7,167 FG .97 Average psi 9,830 average rate 44.5 bpm. RIH w/plug and guns. Set 10k magnum bio ball FTFP @ 12,850' Perf stage-4 MN 21 f/12,829-33' Break dn perfs w/7,500 @ 2 bpm. Finish perf f/12,768-74', 12,797-803'. POOH. Pump into perfs w/7,900 @ 5 bpm. FR slick water/linear gel frac well w/90,000# 40/70 prime plus sand, 2,420 bbls FR slick water/linear gel, and flushed w/191 bbls 2% kcl. SD. ISIP 6,314 FG .94 average rate 41, average psi 9,150. SWI and SDFD. (JD)

11/26/08 Fd 5,500 sicp. RIH w/plug and guns. Set 10k magnum bio ball FTFP @ 12,320' Perf stage-5 Spring canyon f/12,296-12,304'. POOH. RU to frac. Break dn perfs w/7,350 @ 4.2 bpm. SD ISIP 5,651 FG .86 FR slick water/linear gel frac well w/121,000# 40/70 prime plus sand, 2,814 bbls FR slick water/linear gel,and flushed w/173 bbls 2% kcl. SD. ISIP 4,865 FG .84 average rate 44 average psi 7,500. Open well up to fb @ 11:38 p.m. w/4,900 on a 8/64 ck. SDFD. (JD)

SWI @ 5:45 a.m. for coil tbg. 6,600 on a 10/64 ck. Made 300 bbls in 6 hrs 7 min, TR 2,956 bbls, BLWTR 18,774 bbls. RU cts coil tbg. RIH w/3 5/8" convex clear cut mill+2 7/8" ECTD even wall motor+disconnect+circ sub+2 7/8" jars+disconnect. Tag plug #1 @ 12,320 w/18/64 ck holding 6,000 back psi. drill up and saw 0 psi inc. RIH tag plug #2 @ 12,850' drill up and saw 0 psi inc. RIH tag plug #3 @ 13,668' drill up and saw 0 psi inc. RIH tag plug #4 @ 13,670' drill up and saw 0 psi inc. RIH tag plug #5 @ 13,970' Drill up and saw 0 psi inc. RIH tag PBTD @ 15,280' POOH. RDMO cts. Turn well over to fb 9:35 a.m. w/6,100 on 10/64 ck. SDFD. (JD)

11/28/08	7:00 a.m. 6,050 on a 14/64 ck. Made 766 bbls 21.5 hrs, TR 3,722 bbls,
	BLWTR 18,008 bbls

11/29/08	7:00 5,500 on a 14/64 Made 902 bbls in 23 hrs 16 min. TR 4,624 bbls,
	BLWTR 17,106 bbls. Turn well over to first sales w/5,600 on a 10/64 ck.
	Made 156 bbls in 5 hrs, TR 4,780 bbls, BLWTR 16,950 bbls.

# CONFIDENTIAL

Form 3160- 5 (April 2004)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004- 0137 Expires: March 31, 2007

Lease Serial No.

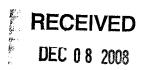
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

	010-013820
5.	If Indian, Allottee, or Tribe Name
	NA
,_	If Unit or CA Agreement Name and/or No

abandoned well. Use Form 3160-3 (APD) for such proposals.				]	NA
SUBMIT IN TRIPLICATE - Other Instructions on reverse side.				7. If Unit or CA.	Agreement Name and/or No. NA
1. Type of Well Oil Well X Gas Well	Other			8. Well Name and	
2. Name of Operator				Desert Spri	ng Federal 41-1-10-18
Gasco Production Company				9. API Well No.	
3a. Address		3b. Phone No. (inch	ide area code)	4	3-047-39773
8 Inverness Drive East Ste 1	00 Englewood, Co 80112	303-48	33-0044	10. Field and Pool	, or Exploratory Area
4. Location of Well (Footage, Sec., T.	, R., M., or Survey Description)				Wildcat
	225' FNL & 543' FEL			11. County or Par	ish, State
1	NE NE of Section 1-T10S-F	R18E		Uintah, Utah	
12. CHECK APPROI	PRIATE BOX(S) TO INDICA	TE NATURE OF	NOTICE, REPO	RT, OR OTHER	DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
X Notice of Intent	Acidize	Deepen	X Production (	Start/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		Other
	Change Plans	Plug and abandon	Temporarily	Abandon	
Final Abandonment Notice	Convert to Injection	Plug back	Water Dispos	sal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

This well was started on production on 11/29/2008.



DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  Name (Printed/ Typed)	1	
Jessica Berg	Title	Production Clerk
Signature Columbia	Date	December 5, 2008
THIS SPACE FOR F	EDERAL OR STAT	E OFFICE USE
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not we certify that the applicant holds legal or equitable title to those rights in the sub which would entitle the applicant to conduct operations	varrant or ject lease Office thereon.	
Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a		wingly and willfully to make any department or agency of the United

(Instructions on page 2)

Form 3160-5 (April 2004)

# **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

C0	1	F	SECONDO PROPERTY.			division of the last	9		No. ottopenas	The same of the sa	
-	1 4	8	ı	~	here	\$ 1	8 1	ı	4 5	a	S-00

FORM APPROVED OMB No. 1004-0137

ONID 140. 100	4-0137
Expires: March	31, 200

CEID	IDRY NOTICES AND REF	ODTE ON W	ET I C	<ol><li>Lease Serial N</li></ol>	No. UTU-013820
	ot use this form for proposals t			<b>.</b>	ottee, or Tribe Name
	oned well. Use Form 3160-3 (A				NA
SUBMIT IN TRI	PLICATE - Other Instruction	s on reverse si	de.	7. If Unit or CA	Agreement Name and/or No.
1. Type of Well Oil Well X Gas Well	Other			8. Well Name ar	
2. Name of Operator				Desert Sp	ring Federal 41-1-10-18
Gasco Production Company				9. API Well No.	
3a. Address		3b. Phone No. (inclu	•		43-047-39773
8 Inverness Drive East Ste 1		303-48	3-0044	10. Field and Po	ool, or Exploratory Area
4. Location of Well (Footage, Sec., T.					Wildcat
	225' FNL & 543' FEL	i n D		11. County or P	
	NE NE of Section 1-T10S-R1		NOTICE DEBOI	T OD OTHE	Uintah, Utah
	PRIATE BOX(S) TO INDICAT			CI, OR OTHE	KDATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
X Notice of Intent	Acidize	Deepen	Production ( S	Start/ Resume)	Water Shut-off
	Altering Casing	Fracture Treat	Reclamation		Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete		X Other
		Plug and abandon	Temporarily A	Abandon	EFM Meter
Final Abandonment Notice		Plug back	Water Dispos		
13. Describe Proposed or Completed C					
This sundry is bein (Model 3500) to me sale for gas produ	g sent to inform you th neasure production fron nced from this well. A	nat we will b m this well o A temperatu	e using a Fe and will be c are probe ha	erguson Be considered s been in	eauregard EFM as the point of stalled for gas
measurement purp	oses. This unit does ha	ve a digital	readout disp	olay and w	vill be inspected
and proved accordi	ng to all BLM regulation	ons.			
				REC	EIVED
COPY SENT TO OPERATO	OR			DEC	0 8 2008
Date: 12 18 20	<u>08</u>			ĝĝ.com	
Initials: K5				DIV. OF OIL	_, GAS & MINING
14. I hereby certify that the foregoing	is true and correct.				
Name (Printed/ Typed)		Title			
Jessica Berg		7110		Production	Clerk
Signature	afferer	Date		December 5	5, 2008
	THIS SPACE FOR F	EDERAL OR S	STATE OFFICE	USE	
Approved by	Mut	Title	of-Eng-		Date (2/17/08
Conditions of approval, if any are atta certify that the applicant holds legal o which would entitle the ap	ched. Approval of this notice does not a requitable title to those rights in the sulpplicant to conduct operations	warrant or bject lease Office thereon.	206m	Fede	ral Approval Of This thon is Necessary

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Form 3160-4 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB NO. 1004-0137

Expires: November 30, 2000

	W	ETT CO	MPLET	ION OR F	RECOMP	LET	ION RE	PORT	rand L	.OG		15	Lease Ser	ial No.	<del></del>	
	<del> </del>											<u> </u>		UTU-8		
la. Type o			veit Z		Dry Dry	Of						6.	If Indian,	Allottee	or Trii	be Name
b. Type of	Completion	¢ .	Ø ₩	• 🖸	Work Over		Deepes	Q P	hag Back	Diff	Resvr.			N/		
			Other_	<del></del>								7.	Unit or C	-		lame and No.
2. Name o	Operator	-			<del></del>						· · · · · · · · · · · · · · · · · · ·	┪┈┈		N/	<del></del>	<del> </del>
Gasco Pr	oduction (	Company										1	Lease Na			
3. Address				·				3a. Ph	one No. (is	nchude are	a code)				dera	1 41-1-10-18
8 laverne	ess Drive F	ast Suite	100. Fnc	dewood, C	oloreda M	1117			•	483-0044	•	9.	API Wei			
				and in acco			ral require	ments)		702-7044	<u> </u>			43-047-	39773	3
	·	-	•									10.	Field and	Pool, or	Explo	ratory
At surface			225	FNL & 5	43' FEL N	ENE	Sec 1 T1	0S R I	18E			<u> </u>		River	bend	
At the new	i. interval re	orted helo	52:	me								11.	Sec., T.,			
THE WIP PRO-		por and board	.,	5-	olT	10.	S R P	8E				12	County of		1-110	13. State
At total de	n <b>é</b> h		-00	me 114	14 FN	41	160 1	FE	LNE	NE				utah		Utah
14. Date S				Date T.D. R				16. Da	te Complet	ed_		17.	Elevation		KB. R	
	08/03/0	8			09/17/08			42	D&A	☑ Res	dy to Prod.			048.7;		•
10 5								L		/29/08		L			GL: 3	7023
18. Total i		ID VD	15370 15347	19. F	tog Back T.		MD TVD	15280 1525			20. Depth I	Bridge	Plag Set:		N.	
21. Type F		-		Ros (Subm	it copy of ea			1323		22. Was		<b>V</b>	<b>₩</b> 🗖	TVD Yes (Su		A
DN, GR,	HDIL, ST	AR CBL	CCL	Rus (Subm	UnI	ÓC	· •-				well DST run?			Yes (Su		
				, ,							ctional					nit copy)
23. Casing	and Liner R	ecord (Re	port all str	ings sei in v	ell)										(	
•	Size/Grade					<i>(</i> 1)	Stage Cer	nemier	No. of	Ska. &	Sharry Ve	ol.		1		
		WL (#	(L)	Гор (MD)	Bottom (1	MID)	Dept		Type of	Comest	(BBL)		Cement	Top*	A	mount Palled
24"	16" H-40	65#		0		49			250 sz Cl	ass G			Cire to	Surf		
12 1/4"	8 5/8 J-55	32#		0	ļ	3365			900 sx Cl	ass G			Circ to	Serf		
7 7/8"	4 1/2 PH	1 181			1	F3/5										· · · · · · · · · · · · · · · · · · ·
7 776	4 1/2 F 110	15.1	<del>'                                     </del>	0	<del> </del>	5367			528 sx Cl 2170 sx 50				luside S	Surf		·
24. Tubin	Record				1				ET 14 37 34	#30 F0Z G	L					<del></del>
Size	Depth S	et (MD)	Packer D	epth (MD)	Size		Depth Set	(MD)	Packer De	eeth (MD)	Siz		Denti	Set (MI	) T P	acker Set (MD)
NA								<del></del>		, , ,					<del>"</del>	ou (1.12)
25. Produc	ing Intervals	~~~					26. Perfo	ration l	lecord	<del>-</del>						
	Formatio			Тор	Botton	_			nterval		Size	No	. Holes		Perf	Status
<u> </u>	Manco: Mesaven			12768	15261		See Attach	ed					·			
R)	MESEVEN	rt		12296	12304	<del>'                                    </del>						<b> </b> -		<b></b>		<del></del>
<u>C)</u>		<del></del>			<del>                                     </del>	$\dashv$				<del></del>						
E)					<del>                                     </del>			*				$\vdash$				<del></del>
27. Acid, I	racture, Tre	ntment, Ce	eneat Sque	eze, Etc.									····		···	***************************************
	Depth Inter								Amount a	nd type of	Material					
	See Attack	red	_													
<del></del>		<del></del>									·	·				<del></del>
					<del></del>						<del></del>					<del></del>
<del> · </del>							<u></u>									
	tion - Interv	A A		·												
	Test	Hours	Test	Oil Control	Gas	Water		Oil Gran	-	Gee		Produc	tion Metho	4		
11/29/09	Detc 12/13/08	Tested 24	Production	BBC	MCF	BBL	349	Corr. Al	PI	Gravity						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	2,233 G==	Water		Oil Gran	vidu	Well State		<u> </u>	· · · · · ·	Flow	ing	
Size	Flwg.	Press.	Rate	BBL	MCF	BBL		Corr. Al	•	WCE SURE						
12/64	SI NA	4321	$\rightarrow$	0	2,233	L	349			1	P	rodu	ing Fro	m A &	В	
28a.																
Date First	Test	Hours	Test	Oil	Ges	Water		Oil Gran	•	Gas		Produc	tion Metho	1		
Produced	Date	Tested	Production	RRF	MCF	BBL	Ì	Corr. Al	n	Gravity		1		e estant.	ئىيىن	
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gea	Water		Oil Gran	- in	Well State	1	Щ				
Size	Flog.	Press.	Rate	BBL	MCF	BBL		Corr. Al	•	THE STATE	•		D:	EC 2 9	J 20.	33
	sı	<u> </u>	<u> </u>	<u> </u>		L				<u> </u>						
(See instruc	ctions and sp	aces for ac	lditional d	ata on rever	se side)								713 F		3.17	7 197

28b.		<del></del>							•	
		Tra	<b>E</b> .	Ion	I o	les s	Tana i			<del> </del>
Date First Produced	Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke	Tbg. Press.	Cug.	24 Hr.	Oil	Gas	Water	Gas : Oil	Well Status	<u></u>	
	Flwg. Si	Press.	Rate -	BBL	MCF	BBL	Ratio			
28c. Proc	action - Inte	rval E	1						<del></del>	
Date First	Test	Hours	Test	OI	Class	Water	Of Gravity	Gas Gravity	Production Method	······································
Produced	Dute	Tested	Production	38L	MCF	388L	Corr. API			
	Thg. Press. Flwg.	Cag. Press.	24 Hr. Rate	Oii BBL	Ges MCF	Water BBL	Gas : Oil Ratio	Well Status		· · · · · · · · · · · · · · · · · · ·
29. Disp	SI section of Ga	(Sold, used	for fael, veni	ed, etc.)				_L	<del></del>	
20 C	nary of Poro	or Zames (Im-	Juda Amilia	-1:		So	ld	144 -		
Show tests,	all importar	nt zones of po	prosity and co	patents there		intervals and flowing and sh	all drill-stem at-in pressures	31. Pormulac	in (Log) Markers	
For	mation	Тор	Bottom		Descri	ptions, Conten	ts, etc.		Name	Top Meas, Depth
Wasate Mesave Mancos	rde	5,121 8,892 12,424	12,424	·	ithin Man	icos				
32. Addi	tional remark	a (include pl	agging proce	dure):					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
									DEC	2 9 2003
										. CASIMINEY.
1. El 5. St	e enclosed at ectrical/Med andry Notice	hanical Logs for plugging	and coment	verification	5.	. Geologic Re . Core Analys	is 7. Od		4. Directional Survey	
36. I here	by certify the	nt the foregoin				lete and correc	t as determined from	m all available re	cords (see attached instr	rections)*
Name	(please prim	) <u>- M</u>	f	Matt Ow	ens		Title		Petroleum Eng	gineer
Signa	ture		Hur		<del> </del>		Date	12/23	108	
							person knowingly a within its jurisdicti		ake to any department o	r agency of the United

# Desert Springs Federal 41-1-10-18 Additional Information to Well Completion Report

27. Perforation Record				1
	Sizo	No. Hole	Perf. Status	_
15257-61; 15174-78; 15149-53	0.38	36	Open	_
13923-27; 13784-88; 13763-67; 13749-53; 13733-37; 13693-97	0.38	72	Open	_
13643-47; 13628-32; 13560-64; 13532-36; 13496-500; 13480-84	86.0	72	Open	
12829-33; 12797-803; 12768-74	96.0	54	Open	_
12296-12304	0.38	24	Open	_
	86.0		Open	
	0.38		Open	
	0.38		Open	

28. Acid Fracture, Treatment, Cement Squeeze, Etc (continued)	al Amount and Type of Material	1 Pump 1,000 gai 7.5% HCL acid. PR slick water/linear gel frac well w/80,000# 40/70 prime plus sand, 5,179 bbls FR slick water/linear gel	7 Pump 1,000 gal 7.5% hot break dn. FR slick water/linear gol frac well w/4,447 bbls FR slick water/linear gel, 65,000# 40/70 prime plus sand	7 FR slick waterflinear gel frac well w/86,700# 40/70 Prime plus sand, 5,172 bbis Fr slick water/linear gel	'	FR slick water/linear get frac well w/121,000# 40/70 prime plus sand, 2,814 bbls PR slick water/linear get	
28. Acid Fracture	Depth Interval	15149-15261	13693-13927	13480-13647	12768-12833	12296-12304	

DEC 2.9 ZELD

# Final Survey Report

for

# Gasco Production

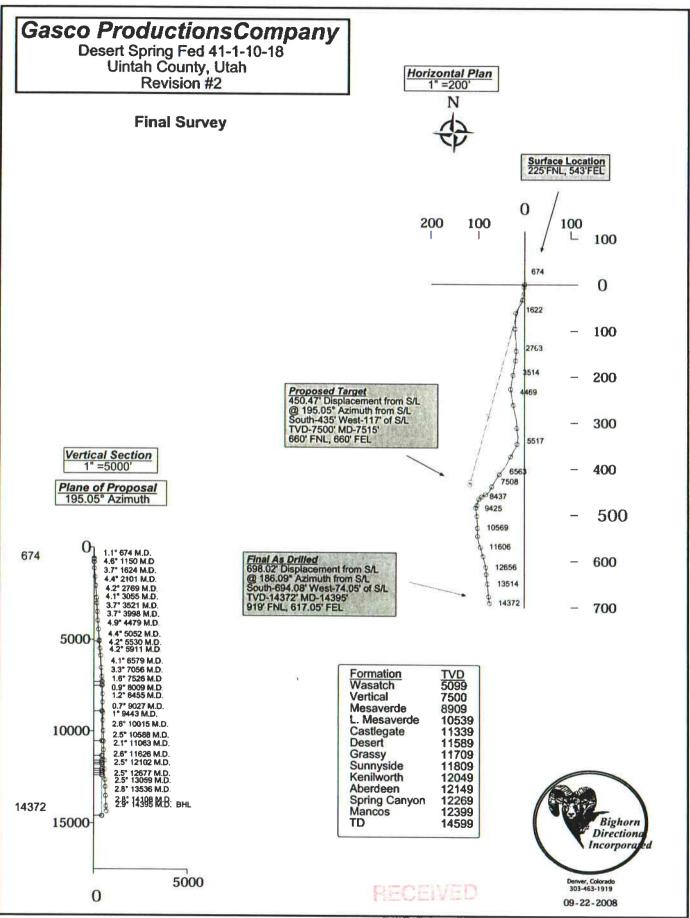
Desert Spring Fed 41-1-10-18

Uintah County, Utah



Denver, Colorado

DEC 2.9 2000



# Bighorn Directional, Inc.

Gasco Production Company Desert Spring Fed 41-1-10-18 Uintah County, Utah Final Survey



Page: 1

Minimum of Curvature Slot Location: -225.00', -543.00' Plane of Vertical Section: 195.05\*

			True	RECTAN	IGULAR	RECTAN	NGULAR				
Measured	BORE	HOLE	Vertical	COORD	INATES	COORD	INATES	Vertical	CLOS	URES	Dogleg
Depth	Inc	Direction	Depth	North(-South)	East(-West)	FNL.	FEL	Section	Distance i	Direction	Severity
Foot	Degrees	Degrees	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Deg	Deg/100'
0.00	0.00	0.00	0.00	0.00	0.00	-225.00	-543.00	0.00	0.00	0.00	0.00
86.00	0.40	3.00	86.00	0.30	0.02	-224.70	-542.98	-0.29	0.30	3.00	0.47
253.00	0.20	327.20	253.00	1.13	-0.11	-223.87		-1.06	1.13		0.16
553.00	0.40	117.00	553.00	1.09	0.54	-223.91	-542.46	-1.19	1.22		0.19
674.00	1.10	172.50	673.99	-0.25	1.07	-225.25	-541.93	-0.03	1.10		0.77
768.00	3.00	185.90	767.92	-3.59	0.93	-228.59	-542.07	3.23	3.71	165.48	2.07
863.00	4.40	186.60	862.72	-9.69	0.26	-234.69		9.29	9.69	178.49	1.47
959.00	4.80	185.50	958.41	-17.34	-0.55	-242.34		16.89	17.35	181.82	0.43
1054.00	5.30	184.50	1053.04	-25.67	-1.28	-250.67	-544.28	25.12	25.70	182.85	0.53
1150.00	4.60	199.20	1148.69	-33.73	-2.89	-258.73	-545.89	33.32	33.85	184.90	1.50
1245.00	4.90	204.80	1243.36	-41.01	-5.85	-266.01	-548.85	41.12	41.42	188.11	0.58
1341.00	4.60	216.10	1339.03	-47.84	-9.83	-272.84	-552.83	48.75	48.84	191.62	1.02
1433.00	3.30	216.00	1430.81	-52.97	-13.58	-277.97	-556.56	54.67	54.67	194.36	1.41
1529.00	2.89	215.40	1526.67	-57.17	-16.59	-282.17	-559.59	59.52	59.53	196.18	0.43
1624.00	3.70	182.70	1621.52	-62.19	-18.12	-287.19	<b>-5</b> 81.12	64.76	64.77	196.25	2.12
1720.00	4.10	177.40	1717.30	-68.71	-18.11	-293.71	-561.11	71.08	71.06	194.77	0.56
1911.00	4.40	186.60	1907.78	-82.81	-18.64	-307.81	-561.64	84.81	84.88	192.69	0.39
2101.00	4.40	183.00	2097.22	-97.33	-19.86	-322.33	-562.86	99.15	99.33	191.54	0.15
2196.00	4.10	173.20	2191.98	-104.34	-19.65	-329.34	-562.65	105.86	108.17	190.67	0.83
2483.00	4.10	178.40	2478.22	-124.77	-17.79	-349.77	-560.79	125.11	126.03	188.12	0.08
2769.00	4.20	182.70	2763.48	-145.43	-17.64	-370.43	-560.64	145.02	146.50	186.92	0.16
3055.00	4.10	186.90	3048.73	-166.04	-19.37	-391.04	-562.37	165.38	167.17	186.65	0.11
3425.00	3.90	190.40	3417.83	-191.55	-23.23	-416.55	-566.23	191.01	192.95	186.91	0.09
3521.00	3.70	188.70	3513.61	-197.82	-24.28	-422.82	-567.28	197.34	199.31	187.00	0.24
3617.00	3.70	189.00	3609.41	-203.95	-25.24	-428.95	-568.24	203.50	205.50	187.05	0.02
3713.00	3.70	191.10	3705.21	-210.05	-26.32	-435.05	-569.32	209.67	211.69	187.14	0.14
3807.00	3.70	190.40	3799.02	-216.00	-27.45	-441.00	-570.45	215.72	217.74	187.24	0.05

# Bighorn Directional, Inc.

Gasco Production Company Desert Spring Fed 41-1-10-18 Uintah County, Utah Final Survey



Page: 2

Minimum of Curvature Slot Location: -225.00', -543.00' Plane of Vertical Section: 195.05'

			True	RECTANG	ULAR	RECTAN	IGULAR			··-···	
Measured	BORE	HOLE	Vertical	COORDIN		COORD		Vertical	CLOSU	RES	Dogleg
Depth	inc	Direction	Depth	North(-South) E	ast(-West)	FNL	FEL	Section	Distance D		Severity
Feet	Degrees	Degrees	Feet	`Feet ´ F		Feet	Feet	Feet	Feet		Deg/100'
3998.00	3.70	185.20	3989.62	-228.20	-29.12	<b>-45</b> 3.20	-572.12	227.94	230.05	187.27	0.18
4479.00	4.90	161.60	4469.30	-263.16	-24.04	-488.16	-567.04	260.37	264.25	185.22	0.44
4861.00	5.50	174.30	4849.73	-296.85	-17.07	-521.85	-560.07	291.10	297.34	183.29	0.34
4956.00	4.60	177.40	4944.36	-305.19	-16.45	-530.19	-559.45	298.99	305.63	183.09	0.99
5052.00	4.40	176.00	5040.07	-312.71	-16.02	-537.71	-559.02	306.14	313.12	182.93	0.24
5147.00	4.10	172.00	5134.81	-319.71	-15.29	-544.71	-558.29	312.71	320.07	182.74	0.44
5243.00	4.10	171.10	5230.56	-326.50	-14.28	-551.50	-557.28	319.00	326.81	182.50	0.07
5338.00	3.90	174.60	5325.33	-333.07	-13.45	-558.07	-556.45	325.13	333.34	182.31	0.33
5435.00	4.80	192.90	5422.05	-340.31	-14.05	-565.31	-557.05	332.28	340.60	182.36	1.69
5530.00	4.20	192.20	5516.76	-347.58	-15.67	-572.58	-558.67	339.73	347.94	182.58	0.63
5624.00	4.90	211.50	5610.47	-354.37	-18.50	-579.37	-561.50	347.01	354.85	182.99	1.78
5911.00	4.20	203.80	5896.57	-374.44	-29.14	-599.44	-572.14	369.16	375.57	184.45	0.32
6293.00	3.70	212.60	6277.66	-397.62	-41.43	-622.62	-584.43	394.74	399.77	185.95	0.21
6579.00	4.10	218.60	6563.00	-413.39	-52.78	-638.39	-595.78	412.91	416.74	187.28	0.20
6866.00	3.70	209.80	6849.34	-429.44	-63.78	-654.44	-606.78	431.27	434.15	188.45	0.25
7056.00	3.30	207.30	7038.98	-439.62	-69.34	-664.62	-612.34	442.54	445.05	188.96	0.23
7152.00	3.30	203.80	7134.82	-444.60	-71.72	-669.60	-614.72	447.97	450.35	189.16	0.21
7247.00	3.20	202.40	7229.67	-449.56	-73.83	-874.58	-616.83	453.31	455.58	189.33	0.13
7343.00	2.60	226.30	7325.55	-453.54	-76.43	-678.54	-619.43	457.82	459.93	189.57	1.39
7526.00	1.60	250.90	7508.43	-457.24	-81.84	-682.24	-624.84	462.81	464.51	190.15	0.72
7912.00	1.10	227.00	7894.32	-461.53	-89.65	-686.53	-632.65	468.98	470.16	190.99	0.19
8009.00	0.90	238.20	7991.31	-462.57	-90.97	-687.57	-633.97	470.32	471.43	191.13	0.29
8455.00	1.20	217.90	8437.23	-468.10	- <del>96</del> .82	<b>-693.10</b>	-639.82	477.18	478.01	191.69	0.11
8835.00	1.60	193.20	8817.12	-476.41	-100.48	-701.41	-843.48	486.15	486.89	191.91	0.19
8930.00	1.80	181.60	8912.08	-479.19	-100.82	-704.19	-843.82	488.93	489.68	191.88	0.42
9027.00	0.70	212.90	9009.06	-481.21	-101.18	-706.21	-644.18	490.97	491.73	191.87	1.29
9122.00	0.50	201.30	9104.05	-482.08	-101.65	-707.08	-844.65	491.94	492.68	191.91	0.25

DEC 2.9 2013

# Bighorn Directional, Inc.

Gasco Production Company Desert Spring Fed 41-1-10-18 Uintah County, Utah Final Survey



Minimum of Curvature

Page: 3

Slot Location: -225.00', -543.00' Plane of Vertical Section: 195.05'

		•	True	RECTANG	ULAR	RECTAN	GULAR				
Measured	BORE	HOLE	Vertical	COORDIN	ATES	COORDI		Vertical	CLOSU	RES	Dogleg
Depth	Inc	Direction	Depth	North(-South) Er	est(-West)	FNL	FEL	Section	Distance Di		Severity
Feet	Degrees	Degrees	Feet	Feet F	eet	Feet	Feet	Feet		Deg	Deg/100'
9218.00	0.90	207.30	9200.05	-483.14	-102.15	-708.14	-645.15	493.09	493.82	191.94	0.42
9313.00	1.10	210.10	9295.03	-484.59	-102.95	-709.59	-845.95	494.70	495.41	191.99	0.22
9409.00	0.90	198.20	9391.02	-486.11	-103.65	-711.11	-646.65	496.34	497.03	192.04	0.30
9443.00	1.00	178.00	9425.01	-486.66	-103.72	<i>-</i> 711.66	-646.72	496.90	497.59	192.03	1.02
9729.00	1.90	166.00	9710.92	<b>-493.75</b>	-102.48	-718.75	-645.48	503.43	504.28	191.73	0.33
10015.00	2.60	175.00	9996.70	-504.82	-100.77	-729.82	-643.77	513.66	514.78	191.29	0.27
10302.00	2.60	180.00	10283.40	-517.81	-100.20	-742.81	-643.20	526.07	527.42	190.95	0.08
10588.00	2.50	178.00	10569.12	-530.53	-99.99	-755.53	-642.99	538.29	539.87	190.67	0.05
10869.00	2.00	182.00	10849.90	-541.56	-99.94	-766.56	-642.94	548.93	550.70	190.46	0.19
10968.00	2.20	176.00	10948.84	-545.18	-99.87	-770.18	-642.87	552,41	554.25	190.38	0.30
11063.00	2.10	169.00	11043.77	-548.71	-99.41	-773.71	-842.41	555.69	557.64	190.27	0.30
11251.00	2.40	172.00	11231.62	-555.98	-98.21	-780.98	-641.21	562.41	564.59	190.02	0.17
11445.00	2.60	160.00	11425.44	-564.14	-96.14	-789.14	-639.14	569.75	572.27	189.67	0.29
11626.00	2.60	162.00	11606.25	-571.90	-93.46	-796.90	-636.46	576.55	579.49	189.28	0.05
12102.00	2.50	168.00	12081.78	-592.33	-87.97	-817.33	-630.97	594.85	598.82	188.45	0.06
12210.00 پېي	2.50	160.00	12189.68	-596.84	-86.67	-821.84	-629.67	598.87	603.10	188.26	0.32
12386.00	2.30	163.00	12365.53	-603.83	-84.33	-828.83	-627.33	605.01	609.69	187.95	0.13
12677.00	2.50	168.00	12656.27	-615.62	-81.30	-840.62	-624.30	615.61	620.97	187.52	0.10
12868.00	2.20	182.00	12847.11	-623.36	-80.56	-848.36	-623.56	622.89	628.54	187.36	0.34
13059.00	2.50	180.00	13037.95	-631.19	-80.69	-858.19	-623.69	630.48	638.33	187.29	0.16
13250.00	2.40	171.00	13228.78	-639.30	-80.07	-864.30	-623.07	638.16	644.30	187.14	0.21
13536.00	2.80	170.00	13514.48	<i>-</i> 652.10	-77.92	-877.10	-620.92	649.96	656.74	186.81	0.14
13852.00	2.80	178.00	13830.11	-867.41	-76.31	-892.41	-619.31	664.33	671.76	188.52	0.12
14108.00	2.80	175.00	14085.80	-679.89	-75.54	-904.89	-618.54	676.18	684.07	188.34	0.08
14395.00	2.90	173.00	14372.45	-694.08	-74.05	-919.08	-617.05	689.49	698.02	186.09	0.05

Final Station Closure Distance: 698.02' Direction: 186.09\*

# LIMITED STATES

rom 3100- 3	OMITEDS	IAILS		FORM APPROVED				
(April 2004)	DEPARTMENT OF	THE INTERIOR		OMB No. 1004- 0137				
	<b>BUREAU OF LAND</b>	<b>MANAGEMENT</b>		Expires: March 31, 2007				
Do n	NDRY NOTICES AND ot use this form for proposioned well. Use Form 3160	sals to drill or to re-	enter an	5. Lease Serial No. UTU-013820 6. If Indian, Allottee, or Tribe Name NA				
	IPLICATE - Other Instru			7. If Unit or CA. Agreement Name and/or No.				
1. Type of Well		- NA						
Oil Well X Gas Well	Other			8. Well Name and No.				
2. Name of Operator				Desert Spring Federal 41-1-10-18				
Gasco Production Company	<u>/</u>			9. API Well No.				
3a. Address		3b. Phone No. (incli	ude area code)	43-047-39773				
8 Inverness Drive East Ste	100 Englewood, Co 8011	2 303-48	33-0044	10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)			Wildcat				
	225' FNL & 543' FE	EL		11. County or Parish, State				
	NE NE of Section 1-T10:	S-R18E		Uintah, Utah				
12. CHECK APPROI	PRIATE BOX(S) TO INDI	CATE NATURE OF	NOTICE, REPO	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TY	PE OF ACTION					
Notice of Intent	Acidize	Deepen	Production (	Start/ Resume) Water Shut-off				
	Altering Casing	Fracture Treat	Reclamation	Well Integrity				
X Subsequent Report	Casing Repair	New Construction	Recomplete	X Other Run tubing				
	Change Plans	Plug and abandon	Temporarily	Abandon				
Final Abandonment Notice	Convert to Injection	Plug back	Water Dispos	sal				
3 Describe Proposed or Completed	Operations (clearly state all pertin	ent details including estin	mated starting date of	any proposed work and approximate duration there				

If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Gasco landed 411 joints of 2 3/8" 4.7# P-110 tubing with a 1.875" x-nipple on bottom @ 12,814' on 4/8/2009. The tubing has turned down, beveled collars that require slip-type elevators to pull tubing.

**RECEIVED** 

JUN 0 1 2009

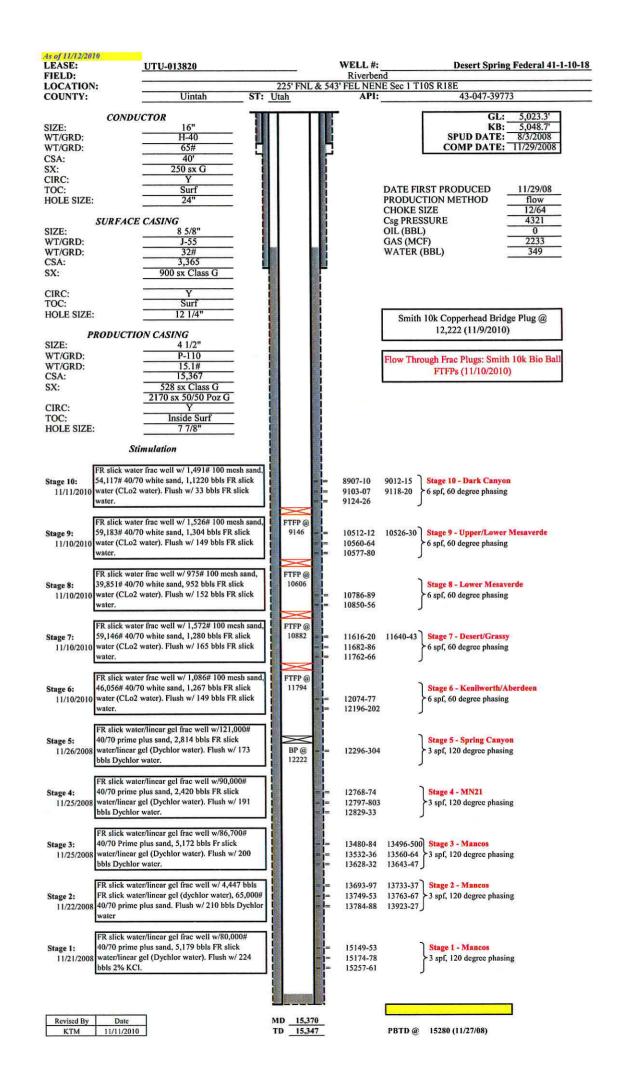
DIV. OF OIL, GAS & MINING 14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) Title Matt Owens Petroleum Engineer Date Vuuun May 12, 2009 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease office which would entitle the applicant to conduct operations thereon

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ	IG	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-013820
SUND	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen exi gged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: DESERT SPG FED 41-1-10-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43047397730000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10		NUMBER: 03 483-0044 Ext	9. FIELD and POOL or WILDCAT: UTELAND BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0225 FNL 0543 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 01	IP, RANGE, MERIDIAN: Township: 10.0S Range: 18.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE I	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Gasco intends to fra Mesaverde formati treated with rough	□ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME ✓ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION □ STATE OPERATIONS. Clearly show all pertine of the company of	oductive intervals in the ages. Each zone will be 1,260 bbls of water. A submitted shortly after	Accepted by the Utah Division of Oil, Gas and Mining  ate: November 10, 2010
NAME (PLEASE PRINT) Jessica Berg	<b>PHONE NUMBER</b> 303 996-1805	TITLE Production Clerk	
SIGNATURE		DATE 11/5/2010	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-013820
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: DESERT SPG FED 41-1-10-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		<b>9. API NUMBER:</b> 43047397730000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 10		NE NUMBER: 303 483-0044 Ext	9. FIELD and POOL or WILDCAT: UTELAND BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0225 FNL 0543 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: Township: 10.0S Range: 18.0E Meridian: S	3	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
,	☐ ACIDIZE	ALTER CASING	CASING REPAIR
✓ NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
1/7/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	□ VENT OR FLARE	✓ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
Report Bute.	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Gasco would like to state approved con Range 4 west in Nor	dispose of water at Integrated dispose of water at Integrated mmercial disposal facility located the Bue Bench UT. This facility oproved disposal facilities that water from this well.	Water management, LLC   ed in Section 30, 2 south	Accepted by the
NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor	
SIGNATURE	202 230-1003	DATE	
N/A		12/30/2010	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-013820
SUND	RY NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: DESERT SPG FED 41-1-10-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPAI	NY		9. API NUMBER: 43047397730000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 10		IONE NUMBER: 303 483-0044 Ext	9. FIELD and POOL or WILDCAT: UTELAND BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0225 FNL 0543 FEL QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 01	<b>IP, RANGE, MERIDIAN:</b> Township: 10.0S Range: 18.0E Meridian	: S	COUNTY: UINTAH  STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ SUBSEQUENT REPORT  Date of Work Completion:	DEEPEN	✓ FRACTURE TREAT	□ NEW CONSTRUCTION
11/13/2010	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	✓ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Gasco has finished the Mesaverde forma stage can be found o	fracture treating the remaining the sand and the attached wellbore schetends to drill plugs and land to becomes available.	ng 5 productive intervals in nd water used to pump eag matic under stage 6 throug tubing once a workover rig;	Accepted by the
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBE 303 996-1805	R TITLE Production Clerk	
SIGNATURE N/A		<b>DATE</b> 2/8/2011	



FORM 6

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM						
Operator:	Gasco Production Co		Operator Account Number:	N 2575		
Address:	8 Inverness Drive East, S	Ste 100	Operator Moodulit Marriber.	<u> </u>		
	city Englewood					
	state Co	<sub>zip</sub> 80112	Phone Number:	(303) 483-0044		

	Well Name		QQ	Sec	Twp	Rng	County	
4304737630	Federal 34-30-9-19		SWSE 30 9		19	Uintah		
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date			
E	16557	16557	1	1/30/200	07	12/3/2010		

Well 2

API Number	Well Name QQ Sec Twp Rng (				County		
4304739773	Desert Spring Federa	Desert Spring Federal 41-1-10-18		NENE 1 10		18	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date 8/3/2008		Entity Assignment Effective Date		
E	17013	17013			11/13/2010		

Well 3

Well Name		QQ	Sec	Twp	Rng	County	
Current Entity Number	New Entity Number	Spud Date		ud Date E		Entity Assignmen Effective Date	
_	Current Entity	Current Entity New Entity	Current Entity New Entity S	Current Entity New Entity Spud Dat	Current Entity New Entity Spud Date	Current Entity New Entity Spud Date Entit	

### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity

Name (Please Print

Signature

Title

**Production Tech** 

Jessica Berg

2/18/2011

Date

E - Other (Explain in 'comments' section)

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FEB 2 2 2011

Sundry Number: 14623 API Well Number: 43047397730000

	STATE OF UTAH		FORM 9
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-013820
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deeper ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: DESERT SPG FED 41-1-10-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPA	NY		9. API NUMBER: 43047397730000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 10		ONE NUMBER: 303 483-0044 Ext	9. FIELD and POOL or WILDCAT: UTELAND BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0225 FNL 0543 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENE Section: 01	IP, RANGE, MERIDIAN: Township: 10.0S Range: 18.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Plugs have been Mesaverde and Mar	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME ✓ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  DMPLETED OPERATIONS. Clearly show all per drilled and this well is current scos formations. Recompletion anding of tubing at 8,871' on	otly producing out of the nactivities culminated with 3/23/2011.  Oi	
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER	TITLE Production Clerk	
SIGNATURE N/A	303 996-1805	DATE 4/28/2011	
• • • • • • • • • • • • • • • • • • • •		1,20,2011	

Sundry Number: 14623 API Well Number: 43047397730000 Av at 3/23/2011 LEASE: WELL#:\_ UTU-013820A Desert Spring Federal 41-1-10-18 FIELD: Riverbend LOCATION: 225' FNL & 543' FEL NENE Sec 1 T10S R18E COUNTY: Uintah ST: Utah 43-047-39773 CONDUCTOR 5.023.31 SIZE: KB: SPUD DATE: 5,048.7 8/3/2008 WT/GRD: H-40 WT/GRD: 65# COMP DATE: 11/29/2008 CSA: 40' SX. 250 sx G CIRC: TOC: 11/29/08 Surf DATE FIRST PRODUCED HOLE SIZE: 24 PRODUCTION METHOD flow CHOKE SIZE 12/64 SURFACE CASING Csg PRESSURE 4321 SIZE: 8 5/8" OIL (BBL) 0 WT/GRD: J-55 GAS (MCF) WT/GRD: 32# WATER (BBL) 349 CSA: 3,365 SX: 900 sx Class G CIRC: TOC: Surf HOLE SIZE: 12 1/4 Land tbg @ 8,781' w/ 277 jnts 2 3/8" EUE 8rnd 4.7# P-110 tbg. (3/23/2011) PRODUCTION CASING SIZE: WT/GRD: P-110 WT/GRD: 15.1# CSA: 15,367 SX: 528 sx Class G 2170 sx 50/50 Poz G CIRC: Inside Surf TOC: HOLE SIZE: 7 7/8" Stimulation R slick water frac well w/ 1,491# 100 mesh sand, 54,117# 40/70 white sand, 1,1220 bbls FR slick 9012-15 Stage 10 - Dark Canyon Stage 10: EOT @ 8907-10 11/11/2010 water (CLo2 water). Flush w/ 33 bbls FR slick 8781 9118-20 6 spf, 60 degree phasing 9103-07 water 9124-26 FR slick water frac well w/ 1,526# 100 mesh sand Stage 9: 59,183# 40/70 white sand, 1,304 bbls FR slick 10512-12 10526-30 Stage 9 - Upper/Lower Mesaverde 11/10/2010 water (CLo2 water). Flush w/ 149 bbls FR slick 10560-64 6 spf, 60 degree phasing 10577-80 FR slick water frac well w/ 975# 100 mesh sand. Stage 8: Stage 8 - Lower Mesaverde 39.851# 40/70 white sand, 952 bbls FR slick water 11/10/2010 10786-89 6 spf, 60 degree phasing (CLo2 water). Flush w/ 152 bbls FR slick water. 10850-56 FR slick water frac well w/ 1,572# 100 mesh sand 59,146# 40/70 white sand, 1,280 bbls FR slick Stage 7: 11616-20 11640-43 Stage 7 - Desert/Grassy 11/10/2010 water (CLo2 water). Flush w/ 165 bbls FR slick 11682-86 6 spf, 60 degree phasing 11762-66 FR slick water frac well w/ 1.086# 100 mesh sand 46,056# 40/70 white sand, 1,267 bbls FR slick Stage 6: Stage 6 - Kenilworth/Aberdeen water (CLo2 water). Flush w/ 149 bbls FR slick 11/10/2010 12074-77 6 spf, 60 degree phasing 12196-202 FR slick water/linear gel frac well w/121,000# 40/70 prime plus sand, 2,814 bbls FR slick Stage 5: Stage 5 - Spring Canyon 11/26/2008 water/linear gel (Dychlor water). Flush w/ 173 bbl: 12296-304 3 spf, 120 degree phasing Dychlor water. FR slick water/linear gel frac well w/90,000# 40/70 prime plus sand, 2,420 bbls FR slick water/linear Stage 4: 12768-74 Stage 4 - MN21 11/25/2008 gel (Dychlor water). Flush w/ 191 bbls Dychlor 12797-803 3 spf, 120 degree phasing 12829-33 FR slick water/linear gel frac well w/86,700# 40/7 Prime plus sand, 5,172 bbls Fr slick water/linear 13496-500 Stage 3 - Mancos Stage 3: 13480-84 11/25/200 gel (Dychlor water). Flush w/ 200 bbls Dychlor 13532-36 13560-64 3 spf, 120 degree phasing 13643-47 FR slick water/linear gel frac well w/ 4,447 bbls 13733-37 | Stage 2 - Mancos Stage 2: FR slick water/linear gel (dychlor water), 65,000# 13763-67 13749-53 -3 spf, 120 degree phasing 11/22/2008 40/70 prime plus sand. Flush w/ 210 bbls Dychlor 13784-88 13923-27 FR slick water/linear gel frac well w/80,000# 40/70 Stage 1: 15149-53 Stage 1 - Mancos prime plus sand, 5,179 bbls FR slick water/linea 11/21/2008 15174-78 gel (Dychlor water). Flush w/ 224 bbls 2% KCl. 3 spf, 120 degree phasing 15257-61

Revised By	Date
KTM	4/19/2011

MD 15,370 TD 15,347 3 5/8" Smith mill x 2 3/8" POBS (3/23/2011)

PBTD @ 15302' w/ 486 jts tubing (3/23/2011)



# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM							
Operator:	Gasco Production C	o .	Operator Account Number:	N 2575			
Address:	8 Inverness Drive E	ast, Ste 100	Operator / Goodine (Namber:	TN			
	city Englewood						
	state Co	zip 80112	— Phone Number:	(303) 483-0044			

Well 1

API Number	Well h	Well Name QQ Sec Twp Rng C			County		
4304739773	Desert Spring Federal	esert Spring Federal 41-1-10-18		NENE 1 10S		18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date 8/3/2008		Entity Assignment Effective Date		
E	17013	17013			3/23/2011		

Well 2

API Number	ber Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	S	Spud Date		Entity Assignmen Effective Date	
Comments:							

# Well 3

API Number	Well Name		QQ	QQ Sec Twp			Rng County		
Action Code	Current Entity Number	New Entity Number	S	Spud Date		Entity Assignment Effective Date			
Comments:									

### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

<b>June</b>	-		_	17.		$\Box$
	-		$\mathbf{r}$	١v	E	IJ
1 1	ه.	V	_	X A		

Jessica Berg

Name (Please Print)
Signature
Production Tech

4/28/2011

Date

(5/2000)

APR 2 8 2011

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Prodcution Company N2575	Badlands Production Company N4265
7979 E. Tufts Avenue, Suite 11500	7979 E. Tufts Avenue, Suite 11500
Denver, CO 80237	Denver, CO 80237
303-996-1805	303-996-1805
CA Number(s):	Unit(s):Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

### **WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See Attached List									

### **OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:

6/2/2015

2. Sundry or legal documentation was received from the **NEW** operator on:

6/2/2015

3. New operator Division of Corporations Business Number:

1454161-0143

## **REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

6/2/2015

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

6/3/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

1/20/2016

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

None

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

### **NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:

SUR0027842

2. Indian well(s) covered by Bond Number:

N/A

3.State/fee well(s) covered by Bond Number(s):

SUR0027845

SUR0035619 -FCB

### **DATA ENTRY:**

1. Well(s) update in the <b>OGIS</b> on:	1/22/2016
2. Entity Number(s) updated in <b>OGIS</b> on:	1/22/2016
3. Unit(s) operator number update in <b>OGIS</b> on:	1/22/2016
4. Surface Facilities update in <b>OGIS</b> on:	N/A
5. State/Fee well(s) attached to bond(s) in <b>RBDMS</b> on:	1/22/2016
6. Surface Facilities update in <b>RBDMS</b> on:	N/A

## LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

1/22/2016

# **COMMENTS:**

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

Effective Date: 4/16/2015		T	1-00			1	1		T
Well Name	Section	TWN	-	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S		4304752496		Federal	Federal		APD
FEDERAL 14-17G-9-19	17	090S		4304752522		Federal	Federal		APD
FEDERAL 13-18G-9-19	18	090S		4304752538		Federal	Federal	_	APD
FEDERAL 23-29G-9-19	29	090S		4304752544		Federal	Federal		APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	1	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070	•	Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	0908	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	0908	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	0908		4304753078	( mm)	Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	1	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S		4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S		4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S		4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	1	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	-	4304754481	-	State	State	GW	APD
State 413-32-9-19	32	090S	-	4304754482	1	State	State	GW	APD
State 323-32-9-19	32	090S	-	4304754483	<del> </del>	State	State	GW	APD
State 431-32-9-19	32	090S		4304754529	ļ	State	State	GW	APD
The state of the s				4304754541			-	-	-
Desert Spring State 224-36-9-18	36	090S			1	State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	-	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	0908		4304754543	10650	State	State	GW	APD
FEDERAL 332-30-9-19	30	0908		4304753012		Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S		4301333098	-	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S		4304736915	16556		Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S		4304738573		Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	-	4304739777		Federal	Federal	_	OPS
FEDERAL 12-17-9-19	17	090S	-	4304739800			Federal	+	OPS
GATE CYN 31-21-11-15	21	110S		4301332391	13787		State	GW	P
WILKIN RIDGE ST 12-32-10-17	32		-	4301332447		-	State		P
GATE CYN 41-20-11-15	20	110S	-	4301332475	-		State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	1008	-	4301332730	15243		State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S		4301332773		Federal	Federal	+ -	P
WILKIN RIDGE 32-08	8	110S	1	4301332778			Federal		P
GATE CYN ST 23-16-11-16	16	1105	-	4301332888			State	-	P
WILKIN RIDGE FED 24-20-10-17	20	1008				Federal	Federal		P
WILKIN RIDGE FED 32-20-10-17	20	100S	1	4301333087		Federal	Federal		P
WILKIN RIDGE FED 14-4-11-17	4	110S	-	4301333099	-		Federal	-	P
RYE PATCH FED 22-21	22	110S		4301333037		Federal	Federal		P
RYE PATCH FED 22-21 RYE PATCH FED 24-21	24	1105	+	4301333437		Federal	Federal	-	P
The second of th	2		1						P
SQUAW CROSSING U 5	-	1005	-	4304730129	16266		State	OW	-
RBU 5-11D	11	1008	_		9005	Federal	Federal		P
FEDERAL 7-25A	25	090S	INOF	4304730624	9030	Federal	Federal	UW	P

RBU 6-2D	2	100S	180E 4304731190   7075   State   State   OW   P	)
NGC 33-18J	18	090S	190E 4304731190 7073 State State OW P	
	2	100S	180E 4304731280 16267 State State OW P	
RBU 13-2D	3	<del></del>		
RBU 16-3D		1005		
RBU 10-11D	11	100S	180E 4304731357 7053 Federal Federal OW P	
RBU 8-10D	10	1008	180E 4304731364 4955 Federal Federal OW P	
RBU 15-3D	3	100S	180E 4304731539 9965 Federal Federal OW P	
RBU 12-12D	12	1008	180E 4304731651 10688 Federal Federal OW P	
RBU 2-10D	10	100S	180E 4304731801 10784 Federal Federal OW P	
RBU 3-15D	15	100S	180E 4304733600 13213 Federal Federal OW P	
RBU 3-12D	12	100S	180E 4304733739 14492 Federal Federal OW P	
STATE 7-36A	36	090S	180E 4304733741 14244 State State GW P	
FEDERAL 34-29	29	090S	190E 4304733750 13174 Federal Federal GW P	
FEDERAL 24-7 #1	7	100S	180E 4304733983   13182   Federal   Federal   GW   P	•
FEDERAL 23-29 #1	29	090S	190E 4304734111 13441 Federal Federal GW P	•
FED 24-20-9-19	20	090S	190E 4304734168 14150 Federal Federal GW P	•
FED 44-20-9-19	20	090S	190E 4304734169 14140 Federal Federal GW P	)
FED 23-21-9-19	21	090S	190E 4304734199 13601 Federal Federal GW P	•
FED 32-31-9-19	31	090S	190E 4304734201 13641 Federal Federal GW P	)
FED 42-29-9-19	29	090S	190E 4304734202 13455 Federal Federal GW P	)
PETES WASH 23-12 #1	12	100S	170E 4304734286 13492 Federal Federal GW P	)
STATE 4-32B	32	090S	190E 4304734314 14440 State State GW P	
FED 14-18-2 #1	18	100S	180E 4304734539 13491 Federal Federal GW P	
FED 43-24-3 #1	24	100S	170E 4304734551 13726 Federal Federal GW P	
LYTHAM FED 22-22-9-19	22	0908	190E 4304734607 13640 Federal Federal GW P	
FED 11-21-9-19	21	0908	190E 4304734608 14151 Federal Federal GW P	
FED 22-30-10-18	30	100S	180E 4304734924 14280 Federal Federal GW P	
FEDERAL 43-30-9-19	30	090S	190E 4304735343 14202 Federal Federal GW P	
FED 11-22-9-19	22	090S	190E 4304735404 14203 Federal Federal GW P	
FED 42-21-9-19	21	090S	190E 4304735405 14928 Federal Federal GW P	
	16			
STATE 24-16-9-19		0908		
FEDERAL 31-21-9-19	21	090S	190E 4304735606 14441 Federal Federal GW P	
FEDERAL 12-29-9-19	29	0908	190E 4304735614 14442 Federal Federal GW P	
FEDERAL 24-31-9-19	31	090S	190E 4304735623 14640 Federal Federal GW P	-
FEDERAL 41-31-9-19	31	0908	190E 4304735624 14419 Federal Federal GW P	
LAMB TRUST 24-22-9-19	22		190E 4304735732 14496 Fee Fee GW P	
LAMB TRUST 24-14-9-19	14		190E 4304735733 14519 Fee Fee GW P	
FEDERAL 11-22-10-18	22		180E 4304735808 15592 Federal Federal GW P	
FEDERAL 21-6-10-19	6	100S	190E 4304735844 14356 Federal Federal GW P	
DESERT SPRING ST 41-36-9-18	36	090S	180E 4304735845 14639 State State GW P	
STATE 12-32-9-19	32	0908	190E 4304735995 14871 State State GW P	
FEDERAL 12-20-9-19	20	090S	190E 4304736093   14976   Federal   Federal   GW   P	<b>)</b>
FEDERAL 32-20-9-19	20	090S	190E 4304736094 16120 Federal Federal GW P	
FEDERAL 23-30-9-19	30	090S	190E 4304736095   14872   Federal   Federal   GW   P	)
SHEEP WASH FED 34-26-9-18	26	090S	180E 4304736113   15096   Federal   Federal   GW   P	)
DESERT SPRING ST 23-36-9-18	36	090S	180E   4304736219   14738   State   State   GW   P	)
DESERT SPRING ST 21-36-9-18	36	090S	180E 4304736220 14763 State State GW P	)
DESERT SPRING ST 12-36-9-18	36	090S	180E 4304736233 14764 State State GW P	
DESERT SPRING ST 43-36-9-18	36	090S	180E 4304736241 14992 State State GW P	•
DESERT SPRING ST 34-36-9-18	36	090S	180E 4304736242 14716 State State GW P	)
FEDERAL 14-31-9-19	31	090S	190E 4304736271 15884 Federal Federal GW P	)
FEDERAL 12-31-9-19	31	090S	190E 4304736336 15086 Federal Federal GW P	
FEDERAL 21-31-9-19	31	0908	190E 4304736368 15605 Federal Federal GW P	
FEDERAL 23-31-9-19	31	0908	190E 4304736442 15715 Federal Federal GW P	
SHEEP WASH FED 43-25-9-18	25	090S	180E 4304736600 14977 Federal Federal GW P	
FEDERAL 43-19-9-19	19	090S	190E 4304736719 15186 Federal Federal GW P	
1 DDDIM1D 7J-17-7-17	17	10703	I TOUCH TOUT I TO I TOUCHAI   TOUCHAI   UW   F	

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

CHEED WASH DED OF CASE	- 105	0000	100E 4004504505	15675	P. 1 2	F. 2 1	CITY	D
SHEEP WASH FED 21-25-9-18	25	090S	180E 4304736727			Federal	GW	P
FEDERAL 21-30-9-19	30	0908	190E 4304736739		Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E 4304736740		Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E 4304736771		Federal			P
SHEEP WASH FED 41-25-9-18	25	090S	180E 4304736772		+	Federal	+	P
FEDERAL 41-30-9-19	30		190E 4304736817		<del></del>	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E 4304736913		+	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E 4304736916	<del></del>		Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E 4304737115	<del> </del>		State	GW	P
FEDERAL 14-17-9-19	17	0908	190E 4304737116		Federal	Federal	+	P
FEDERAL 34-18-9-19	18		190E 4304737117		Federal	Federal		P
UTELAND ST 41-2-10-18	2	100S	180E 4304737132	15087	-	State	GW	P
UTELAND ST 43-2-10-18	2	1005	180E 4304737338	-		State	GW	P
FEDERAL 41-19-9-19	19	0908			Federal	Federal	_	P
FEDERAL 32-30-9-19	30	0908	190E 4304737612		<del>                                     </del>	Federal		P
FEDERAL 12-30-9-19	30	0908	190E 4304737613	<del> </del>	+	Federal		P
FEDERAL 21-19-9-19	19		190E 4304737621		Federal		GW	P
FEDERAL 14-18-9-19	18	0908	190E 4304737622			Federal		P
FEDERAL 34-30-9-19	30	090S	190E 4304737630	<del> </del>		Federal		P
DESERT SPRING FED 21-1-10-18	1	1008	180E 4304737631			Federal	+	P
FEDERAL 12-1-10-18	1	1005	180E 4304737646		+	Federal	+	P
SHEEP WASH FED 14-25-9-18	25	090S	180E 4304737647	•	<del></del>	Federal	<del></del>	P
UTELAND ST 21-2-10-18	2	100S	180E 4304737676		<del></del>	State	GW	P
UTELAND ST 12-2-10-18	2	100S	<del></del>	15806		State	GW	P
UTELAND ST 34-2-10-18	2	1008		16868	<b>+</b>	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E 4304738336		+	Federal	+	P
FEDERAL 34-19-9-19	19	0908			Federal	Federal	_	P
SHEEP WASH FED 41-26-9-18	26	0908	<del></del>		Federal	Federal		P
SHEEP WASH FED 32-25-9-18	25	0908	180E 4304738352		Federal	Federal		P
SHEEP WASH FED 34-25-9-18	25 19	090S 090S			Federal	Federal Federal		P
FEDERAL 12-19-9-19	26	090S	190E 4304738407 180E 4304738465			Federal	GW	P
SHEEP WASH FED 23-26-9-18	25	0908	<del></del>		Federal Federal			P
SHEEP WASH FED 12-25-9-18	18	090S	190E 4304738575			Federal	GW	P
FEDERAL 23-18-9-19 LAMB TRUST 34-22A-9-19	22		190E 4304738573 190E 4304738673			Federal		P
UTELAND FED 42-11-10-18	11		180E 4304738896			Fee	GW	P
	32	090S	190E 4304739170		·			P
STATE 22 22A	32		190E 4304739170 190E 4304739171			State	GW	P
STATE 21-22A	32	0908	190E 4304739171 190E 4304739172			State	GW	P
STATE 21-32A	19	090S 090S	190E 4304739172 190E 4304739717		·	State Federal	GW	
FEDERAL 11-19-9-19 SHEEP WASH FED 31-25-9-18	25	_	180E 4304739717		<del>                                       </del>		_	P P
	25	0908				Federal	+	+
SHEEP WASH FED 11-25-9-18	1	090S	180E 4304739730		+	Federal	<del> </del>	P
DESERT SPG FED 41-1-10-18 FED 32-19X-9-19(RIGSKID)	19	100S 090S			Federal Federal	Federal Federal		P P
FEDERAL 23-30G-9-19	30	090S			Federal	Federal		P
FEDERAL 23-30G-9-19 FEDERAL 34-19G-9-19	19	090S	190E 4304751281			Federal		P
FEDERAL 34-19G-9-19 FEDERAL 442-30-9-19	30	090S	190E 4304751281 190E 4304752870		<del>†</del>	Federal	<del> </del>	P
FEDERAL 333-30-9-19	30	090S	190E 4304752870 190E 4304752872			Federal		P
FEDERAL 423-30-9-19	30	090S	190E 4304752872 190E 4304753011			Federal		P
Desert Springs State 412-36-9-18	36	090S	180E 4304753324			State	GW	P
	36	090S	180E 4304753324 180E 4304753325		-		+	P
Desert Springs State 424-36-9-18 Desert Springs State 123-26-9-18	36	090S	· · · · · · · · · · · · · · · · · · ·		·	State	GW	P
Desert Spring State 133-36-9-18			180E 4304753326			State	GW	
Desert Spring State 142-36-9-18	36	0908	180E 4304753327			State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	0908	180E 4304753328			State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E 4301332677			State	GW	S
RBU 4-11D	11	100S	180E 4304730718	10209	rederal	Federal	UW	S

From: Gasco Production Company To: Badlands Production Company Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	ow	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

ı	DIVISION OF OIL, GAS AND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
SUNDRY	NOTICES AND REPORTS ON WEI	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	wwwells, significantly deepen existing wells below current bottom-hole de erals. Use APPLICATION FOR PERMIT TO DRILL form for such propos	pth, reenter plugged wells, or to als.	7. UNIT OF CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
2. NAME OF OPERATOR:			9. API NUMBER: 4304737631
Gasco Production Compa		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
7979 E. Tufts Ave.	Denver STATE CO ZIP 80237	(303) 483-0044	Uteland Butte
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 F	NL 1512 FWL		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	BE, MERIDIAN: NENW 1 10S 18E S		STATE: UTAH
11. CHECK APPE	OPRIATE BOXES TO INDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	1	YPE OF ACTION	
Gasco Production Compar	CHANGE TO PREVIOUS PLANS  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCT  COMMINGLE PRODUCING FORMATIONS  RECLAMA  CONVERT WELL TYPE  MPLETED OPERATIONS. Clearly show all pertinent details in any requests a change of operator on this well dlands Production Company, effective date	STRUCTION R CHANGE ABANDON K ION (START/RESUME) FION OF WELL SITE ETE - DIFFERENT FORMATION Icluding dates, depths, volume I, in addition to the we	
303-996-1805 Michael Decker, Exec. Video	President & COO		RECEIVED
Badlands Production Com	pany		REVEIVEL
7979 E Tufts Ave, Suite 11			JUN <b>0 2</b> 2015
Denver CO 80237 303-996-1805			
Michael Decker, Exec. Vice	President & COO	DIV. :	OF OIL, GAS & MINING
NAME (PLEASE PRINT) Lindsey Co	oke TIT	Engineering Tech	1
SIGNATURE AND SIGNATURE	COOKE DA	5/18/2015	
(This space for State use only)		API	PROVED

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	1108	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	1108	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
<b>WILKIN RIDGE ST 34-16-10-17</b>	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	1108	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
<b>WILKIN RIDGE FED 24-20-10-17</b>	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
<b>WILKIN RIDGE FED 32-20-10-17</b>	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	1108	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	1108	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	1008	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100\$	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	0908	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	1008	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	1008	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	1008	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	1008	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	1005	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090\$	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	0908	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	0908	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	0908	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19 FED 42-29-9-19	31 29	090S 090S	190E 190E	4304734201 4304734202	13641 13455	Federal Federal	Federal Federal	GW GW	P P
PETES WASH 23-12 #1			170E			Federal		GW	
	12 32	1008		4304734286	13492	State	Federal State		P P
STATE 4-32B		090\$	190E 180E	4304734314	14440			GW GW	
FED 14-18-2 #1	18	100S		4304734539	13491	Federal	Federal Federal		P
FED 43-24-3 #1 LYTHAM FED 22-22-9-19	24 22	100S 090S	170E 190E	4304734551 4304734607	13726 13640	Federal Federal	Federal	GW GW	P P
FED 11-21-9-19 FED 22-30-10-18	21 30	090S 100S	190E 180E	4304734608 4304734924	14151 14280	Federal Federal	Federal Federal	GW GW	P P
			190E		14202	Federal	Federal	GW	
FEDERAL 43-30-9-19	30	0908		4304735343					P P
FED 11-22-9-19 FED 42-21-9-19	22 21	090S 090S	190E 190E	4304735404 4304735405	14203 14928	Federal Federal	Federal Federal	GW GW	P P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	r P
31A1E 44-10-7-17	10	いろいろ	IYUE	4JU4/JJJ00	14419	SIMIC	reuerai	UW	Г

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FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	<b>Federal</b>	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
									r P
FEDERAL 32-20-9-19	20	090\$	190E	4304736094	16120	Federal	Federal	GW	_
FEDERAL 23-30-9-19	30	0908	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090\$	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	0908	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
* * * * * =			190E						P
FEDERAL 43-19-9-19	19	0908		4304736719	15186	Federal	Federal	GW	-
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090\$	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090\$	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	0908	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
	30			4304737613				GW	_
FEDERAL 12-30-9-19		0908				Federal	Federal		P
FEDERAL 21-19-9-19	19	0908	190E		16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	0908	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18		100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	<b>Federal</b>	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	0908	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18		090S	180E	4304738352	16349	Federal	Federal	GW	P
	2.3								
SHEEP WASH FED 34-25-9-18	25 25		180E	4304738353	16210	Federal	Federal	GW	Р
SHEEP WASH FED 34-25-9-18 FEDERAL 12-19-9-19	25	090S	180E 190E	4304738353 4304738407	16210 16236	Federal Federal	Federal Federal	GW GW	P P
FEDERAL 12-19-9-19	25 19	090S 090S	190E	4304738407	16236	Federal	Federal	GW	P
FEDERAL 12-19-9-19 SHEEP WASH FED 23-26-9-18	25 19 26	090S 090S 090S	190E 180E	4304738407 4304738465	16236 16558	Federal Federal	Federal Federal	GW GW	P P
FEDERAL 12-19-9-19	25 19	090S 090S	190E	4304738407	16236	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	ow	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	ow	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	ow	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S